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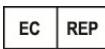
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Medical Technology Promedt

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Consult instructions for use

## □ General Information

## □ Conventions

	<b>WARNING</b>
	Indicates that there is the possibility that death, injury or a serious adverse event may occur to the user if the instructions provided are not followed.
	<b>CAUTION</b>
	Indicates that a problem may occur if the instructions provided are not followed.
	<b>NOTE</b>
	Indicates additional or background information that may be helpful to the user.

## □ General Terminology

<b>Click</b>		Depress the left button on the mouse once.
<b>Double-Click</b>		Quickly depress the left button on the mouse twice.
<b>Right-Click</b>		Depress the right button on the mouse once to display a contextual menu.
<b>Drop-Down List</b>		By clicking the left button on the mouse, a list is displayed from which an option can be selected.

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# Chapter 1 Before You Use

## 1.1 Introduction

### 1.1.1 Major Features

### 1.1.2 PC care Buttons

### 1.1.3 PC care Compatible Meters

## 1.2 User's Manual Guide

### 1.2.1 The Contents of this Manual

### 1.2.2 View User's Manual

## 1.3 Software Program Contents

## 1.4 System Requirements

# Chapter 1 Before You Use

## 1.1 Introduction

Welcome to PC care Blood Glucose Data Management Software v. 1.0.0. This manual provides quick and simple answers to questions you may have regarding the use of the software, and solutions to problems you may encounter during its use. PC care Blood Glucose Data Management Software is PC-based software that helps patients with diabetes to track and monitor their blood glucose levels and related data, through graphs and other software tools. PC care can help you manage the information that you need to help you improve your glucose control, as well as to plan meals, develop an exercise routine, and administer your medications. The PC care Blood Glucose Data Management Software connects to an i-SENS blood glucose meter, which comes with a PC care USB cable. Please refer to the user manual of the meter before you use it.



### WARNING

Do not decide on your treatment method using the data provided by PC care alone. Any course of medical treatment should be pursued only after a diagnosis by a healthcare provider. Before a treatment method is selected, both the user and their healthcare provider should understand how the statistical data is made by PC care. The related data can be obtained from the Help menu on Detailed Reports>Print Information & Reports>Statistics.



### CAUTION

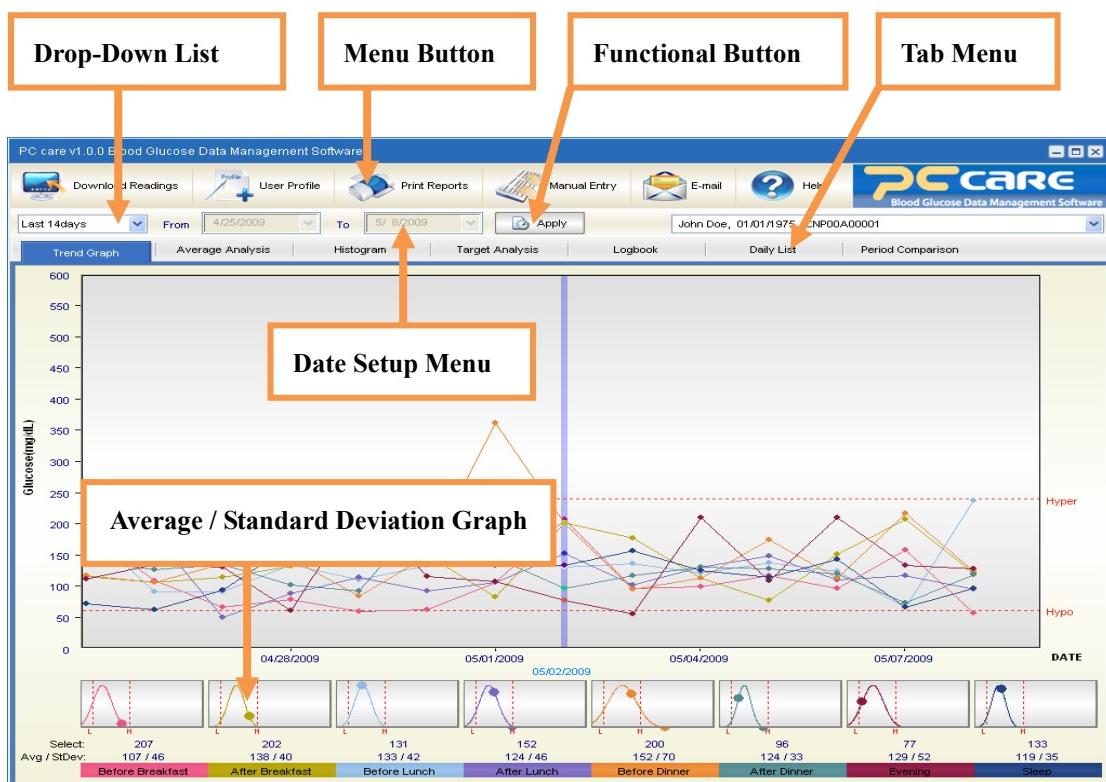
This PC care software saves health-related data on your computer. Due to the sensitive nature of health data, you are recommended to ensure that you have up-to-date security software on your computer. You can get security essentials from <http://www.windows.com/security>.

### ※ Scope of This Manual

This manual is intended for use with the PC care Blood Glucose Data Management Software V.1.0.0. This manual provides information on system requirements and the installation of PC care Blood Glucose Data Management Software V.1.0.0.

### 1.1.1 Major Features

- Transfer glucose levels or other data from a meter to your PC
- Select from 7 report formats to view and print data
- Calculate glucose averages and standard deviations
- Highlight glucose levels that are within, above, and below the target range
- Customize dates, meal slots, target glucose ranges, etc.
- Print reports for long-term record keeping



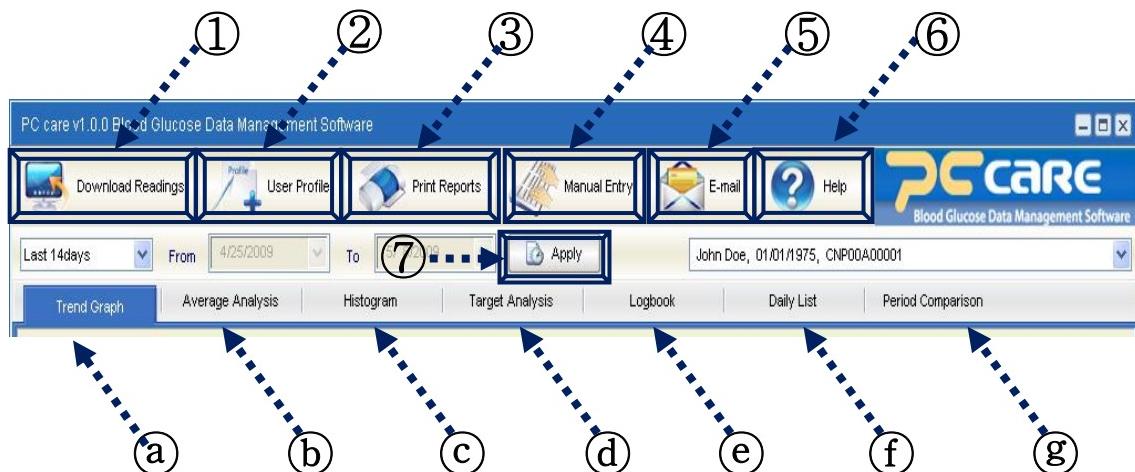
[Figure 1-1] PC care Main Screen

#### ※ Date Setup Menu

This menu allows you to designate a time period for the data to be displayed.

### 1.1.2 PC care Buttons

The PC care screen consists of menu buttons, functional buttons, and general tabs. Each of these is described below.



[Figure 1-2] PC care buttons

- **Menu Buttons**

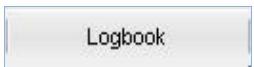
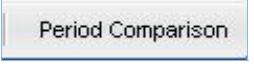
Menu Button		Description
① Download Readings		Transfer data from a meter to your PC
② User Profile		View and modify your User Profile
③ Print Reports		View and print reports
④ Manual Entry		Manually input data or comments
⑤ E-mail		Send reports via Email
⑥ Help		View the PC care user manual in a “quick start guide” format

### - Functional Buttons

Functional Buttons		Description
⑦ Apply		Input a new data record, or apply modifications
OK		Confirm and apply a new data record or modification
Cancel		Cancel a new data record or modification
Cancel Data Transfer		Cancel data transfer
Print		Print data
Close		Close the program window
Attachment		Add desired files by clicking the attachment button
Delete		Delete files from the attachment list

### - General Tabs

Tabs		Description
ⓐ Trend Graph		The Trend Graph Report displays daily data for a selected data range.
ⓑ Average Analysis		The Average Analysis Report shows glucose averages by meal slots and by day of the week. This report allows you to monitor how your glucose levels are influenced by meals and by day.
ⓒ Histogram		Histogram Report shows glucose distribution for a selected data range. This report allows you to monitor the frequency of glucose data within and outside a set of ranges.
ⓓ Target Analysis		Target Analysis Report displays the percentage of glucose data that is above and below each Pre and Post meal target range. This report allows you to see how

		glucose data compares with target ranges for each meal slots.
④ Logbook		Logbook Report tabulates and views daily glucose data by time periods that are customized in the <b>User Profile Setup</b> menu. This report also displays statistical data, including Number of Readings, Average, Highest, Lowest, Number of Hyper Readings, Number of Hypo readings, Standard Deviations, and Median.
⑤ Daily List		The Daily List Report displays a sequential list of all glucose data stored in the PC care database. Only manually-entered glucose data and comments can be corrected and deleted.
⑥ Period Comparison		The Period Comparison Report allows you to compare glucose data trends between a selected date and a previous date, or view Highest, Lowest, Median, Standard Deviations, and Number of Tests for a time period.

### 1.1.3 PC care Compatible Meters

PC care is designed for use with the following meters.

Cable Type	Meters
Serial Cable	CareSens
USB Cable	CareSens II CareSens N Nocoding 1 MAXIMA Excel Acura Barozen Cool



### NOTE

If your meter is not on the above list, please refer to the user manual provided with the meter to determine whether it is supported by the version of the software. Not all meters are available in all countries.

## 1.2 User's Manual Guide

The PC care User's Manual will explain and guide you in the use of PC care's various features. A table of contents and index are provided to help you locate topics of interest.

### 1.2.1 The Contents of this Manual

Chapter	Description
Chapter 1 Before Use	A brief introduction to PC care that should be read before you start using it.
Chapter 2 Getting Started	How to install PC care, and how to customize it according to your requirements.
Chapter 3 Data Management	Transfer meter data, manage data, and generate reports.
Chapter 4 Help	For your convenience, the PC care program allows you to access the User Manual through the Help menu.
Chapter 4 Appendices	Find the explanations of terminology, solutions to problems, indexes, and information for technical support.

### 1.2.2 View User's Manual

The User Manual is designed as a PDF file . To view or print a file in PDF format, you will need Adobe® Acrobat® Reader 6.0 , a free application distributed by Adobe® Systems. The PDF format makes it easy for the user to find the required content in an interactive fashion while using PC care. You may also choose to print the entire User Manual, or selected sections for future reference. Once the PDF file is opened, you can control the viewing and printing of the User Manual through the Adobe® Acrobat® Reader window.

PDF files follow a set of standard procedures for navigating through documents. Several options are available for each desired navigational task.

#### Search for keywords and phrases

- In the Menu Bar at the top of the Acrobat® Reader window, click on Edit and then select Search. A pop-up field will appear, in which you may enter the keyword or phrase you are trying to locate. After searching, the pop-up field will indicate the number of times the keyword or phrase has been found. It will also highlight every found reference in the User Manual. You may search for another keyword or phrase by clicking New Search.
  
- Click the Binoculars icon  on the Tool Bar in the Acrobat® Reader window. A pop-up field will appear, in which you may enter the keyword you are trying to locate. Once the keyword has been located, you may search for other mentions by clicking New Search.

## Navigating through documents

You have several options for navigating through the User Manual:

- Use the scroll bar on the right
  - Scroll down the document to the desired page.
  
- Use View from the Menu Bar
  - Click on **Go To**. Then click on **First Page**  / **Last Page**  / **Previous Page**  or **Next Page**  to get to one of these pages, or **Page** to get to a particular page number.
  
- Use the navigational controls at the bottom of the screen.
  - Click on the left arrow  to go to the **Previous Page**, or click on the  symbol to go to the **First Page**. Click on the right arrow  to go to the **Next Page**, or click on the  symbol to go to the **Last Page**. To jump to a particular page number, enter the desired page number in the field where the current page number is displayed, and press the **Enter** key .

- Use the **Page Up**  and **Page Down**   on your keyboard
  - Press the **Page Up**  and **Page Down** 

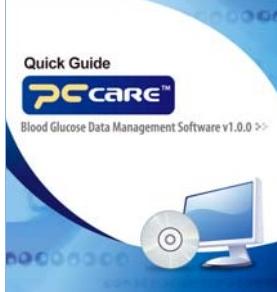
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- 
- Press the Home  key to go the first page, and the End  key to go to the last page.
  - Press the ↑/↓ Arrow keys to scroll through the document one line at a time.

### 1.3 Software Program Contents

The PC care package includes an Install CD, a Quick Guide and a PC care USB cable.

PC care Install CD	PC care Quick Guide	PC care USB Cable
		

[Figure 1-3] Software Program Contents



#### NOTE

If any component is missing from your package, please contact our customer service center through our website ([www.i-sens.com](http://www.i-sens.com)).

## 1.4 System Requirements

The following are the minimum system specifications required to install the PC care software.

- CPU: 300 MHz Intel Pentium 2 or equivalent (higher is highly recommended)
- RAM: 128 MB or higher
- Minimum free hard disk space: 60 MB
- Microsoft® Windows® 98 Second Edition, Windows® NT 4.0 Workstation (SP6 or above), Windows® 2000 Professional (SP4 or above), Windows® ME, Windows® XP Home and Professional (SP2 or above), Windows® Vista (32-bit )
- 9-pin COM or USB port
- PC care USB cable
- Mouse/Trackball
- Keyboard
- Printer(optional)
- Video monitor and adapter with at least 1024x768 pixel screen resolution and 256 colors
- CD-ROM drive
- Meter manufactured by i-SENS, Inc. with data transfer feature, or a logbook with data records

## Chapter 2 Getting Started

### 2.1 Install PC care Software

2.1.1 Installing PC care v 1.0.0 on your PC

2.1.2 Uninstalling PC care v 1.0.0 from your PC

### 2.2 Starting up PC care

2.2.1 Run the PC care program

    2.2.1.1 PC care program screen

    2.2.1.2 Communication Manager

    2.2.1.3 Connecting the meter to your computer

2.2.2 Close PC care

### 2.3 User Profile

2.3.1 User Information

2.3.2 Health Profile

2.3.3 Test Schedule

# Chapter 2 Getting Started

## 2.1 Install PC care Software

### 2.1.1 Installing PC care v 1.0.0 on your PC

- ① After turning on your PC, insert your PC care v 1.0.0 CD into the CD ROM drive.
- ② The Autorun screen will open automatically.



#### NOTE

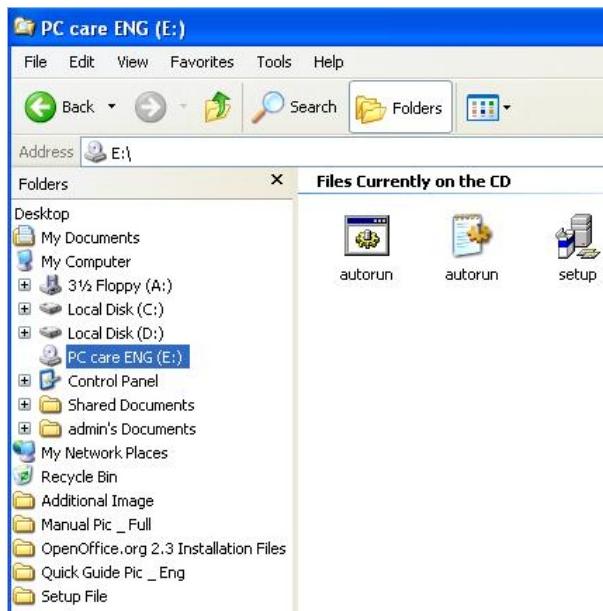
If the Autorun screen doesn't display automatically after inserting the CD in the CD-ROM drive, please follow these instructions.

1. Reinsert the CD into the CD-ROM drive.
2. Access your CD drive through Windows® Explorer.
  - Select **Explore** after right-clicking on the **Start** button.



[Figure 2-1] Explore selection

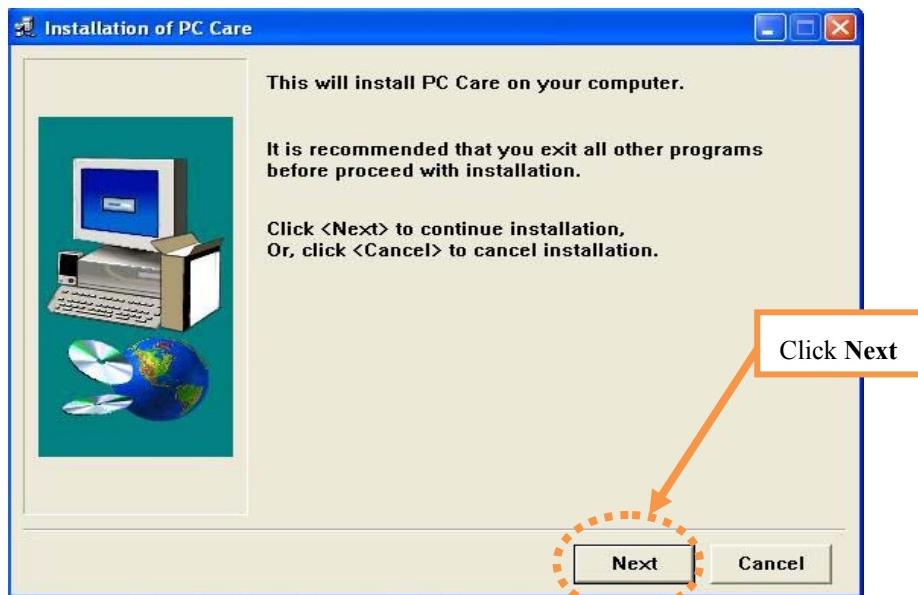
- Click on the CD icon for the PC care Installation CD. Double-click on the PC care software icon. Double-click on Setup.exe.



[Figure 2-2] Click on the CD icon

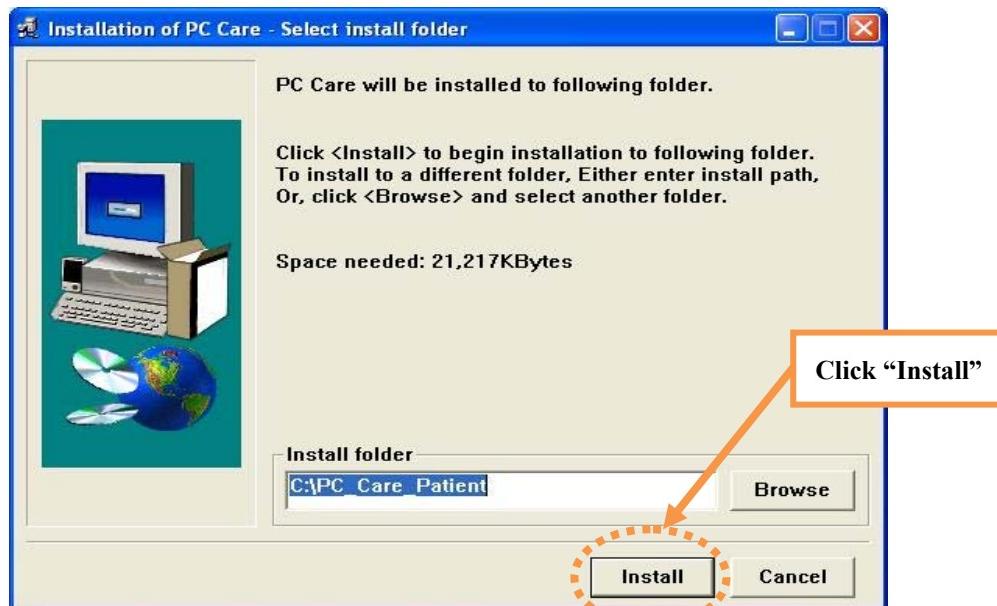
3. Make sure that you can see the PC care icon  on your desktop.

- ③ A message requesting you to quit any running applications before installing the PC care software will appear on your screen. Click **Next** to continue the installation, or **Cancel** to quit.



[Figure 2-3] Install PC care: Start installation

- ④ You can designate a folder in which you want to install PC care before you click “Install.” C:\PC\_Care\_Patient is set as the default folder. To customize the default folder, follow the instructions below.



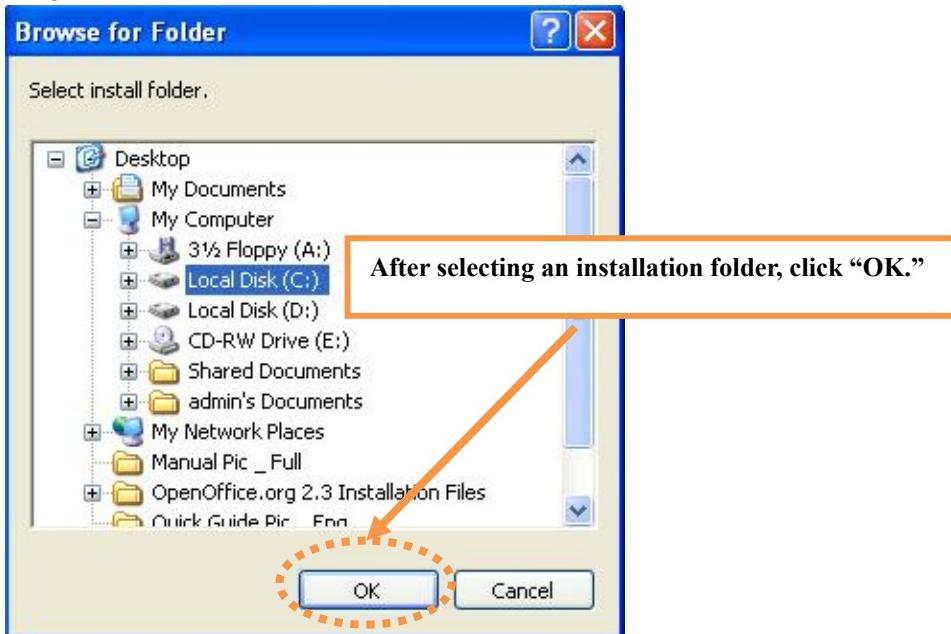
[Figure 2-4] Install PC care: Designate a folder

- Click “Browse” to select an installation folder.



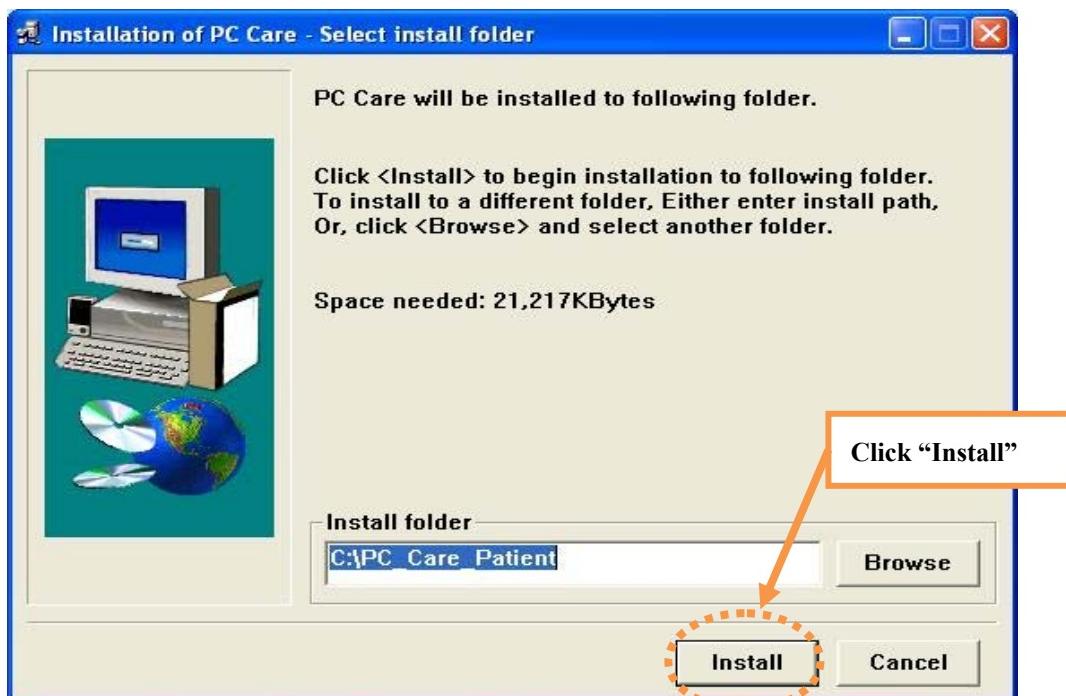
[Figure 2-5] Install PC care: Browse Installation Folder

- After selecting an installation folder, click “OK.”



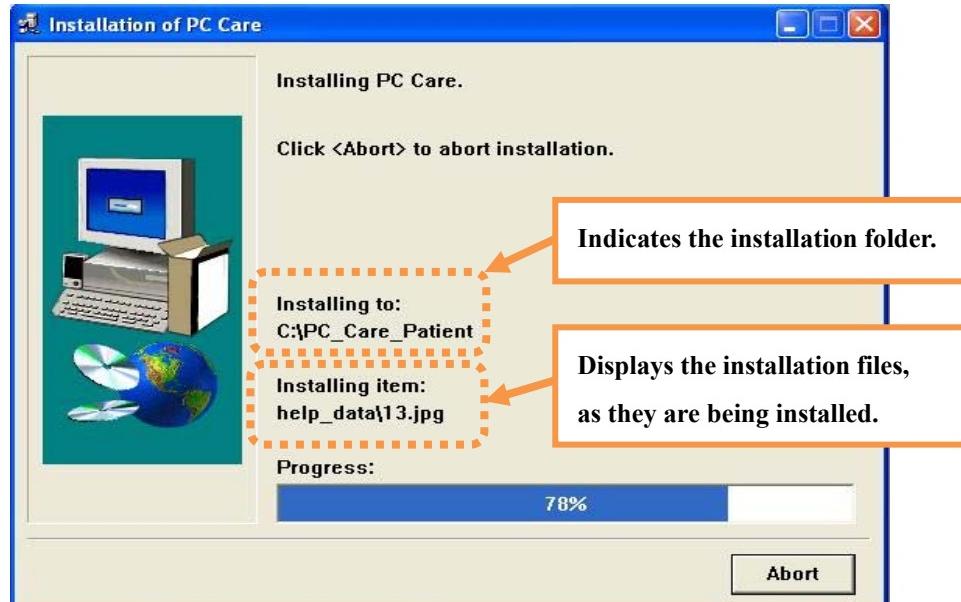
[Figure 2-6] Install PC care: Select Installation Folder

- Click “Install” to continue installation, or “Cancel” to quit the installation.



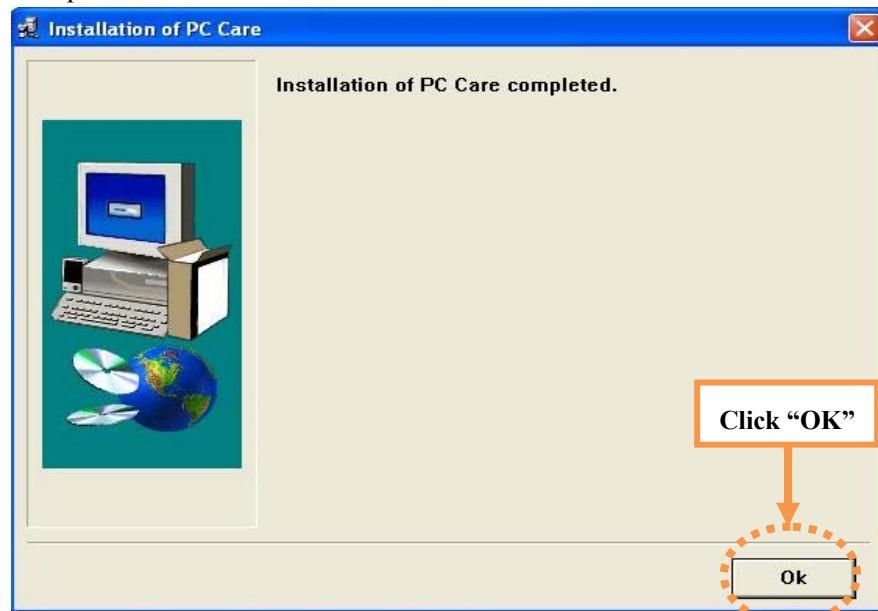
[Figure 2-7] Install PC care: Install

- ① The screen shown below will appear during the installation process. To cancel the installation, click the “Abort” button.



[Figure 2-8] Install PC care: Installing...

- ② PC care installation is complete. Click “OK” to acknowledge that PC care installation is complete.



[Figure 2-9] Install PC care: Installation complete

- ③ Wait until the “TUSB3410” driver installation windows disappears from the task bar at the bottom of the screen.



[Figure 2-10] Install PC care: Install TUSB3410 driver

- ④ Make sure that you can see the PC care icon  on your desktop when the program has been successfully installed.

You can see the PC care Icon on your desktop.



[Figure 2-11] Install PC care: PC care Icon created on the desktop



### CAUTION

Make sure to only use the PC care USB cable provided by i-SENS to connect the meter to your PC. Do not use any cables other than the PC care USB cable.



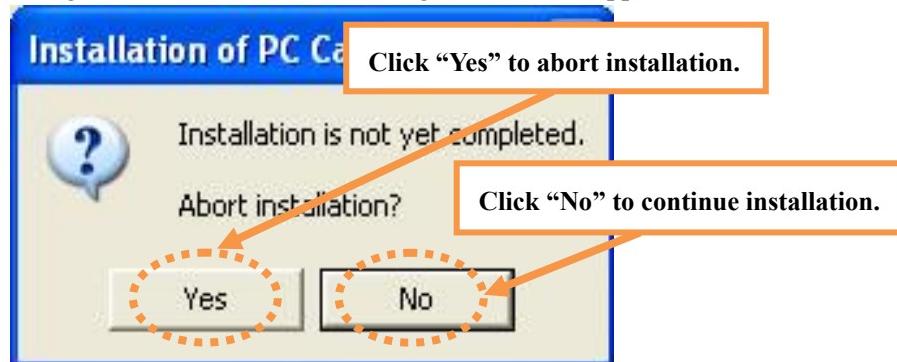
### WARNING

When the meter is connected with your PC, you cannot use your blood glucose meter and its memory functions. For this reason, do not check your blood glucose levels when your meter is connected to your PC.



### NOTE

If you click “Cancel” during the installation, the following window will appear.



[Figure 2-12] Installation of PC Care

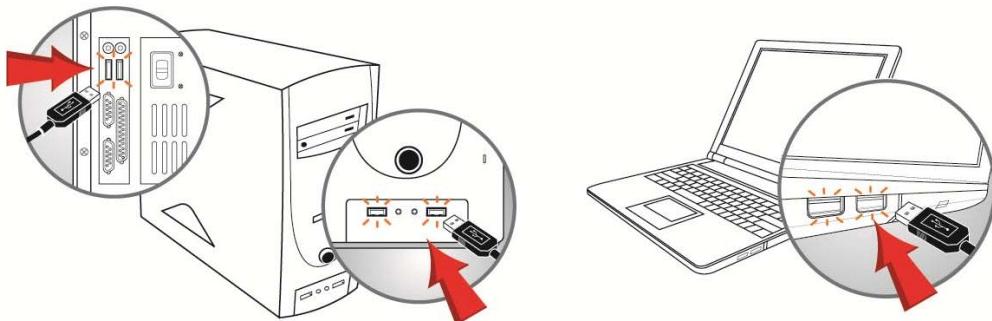
Click “Yes” to abort the installation and terminate the installation process, or “No” to continue installation.

- ⑤ If PC care installation is complete, the PC care program will appear in the program list on your PC. To access your program list, click “Start” on your desktop (Refer to Figure 2-9).



[Figure 2-13] Confirm that PC care has been installed successfully:  
Start → Program List → PC care Folder

- ⑥ If you connect the PC care USB cable to a USB Port on your PC [Figure 2-14] after installing the PC care program, the message “New Hardware Found” should appear on your desktop [Figure 2-15]. At this point, installation of the PC care driver will start. When the driver installation is complete, the message “Your new hardware has been installed and is ready to use” will appear on your desktop [Figure 2-16].



[Figure 2-14] Connect PC care USB cable to your PC



[Figure 2-15] Found New Hardware



[Figure 2-16] Your new hardware is installed and ready to use.



#### NOTE

The driver for the PC care USB cable is automatically installed when you install PC care v 1.0.0 on your PC. If the driver is correctly installed on your PC, the message shown above (Figure 2-11) will appear on your desktop.



#### NOTE

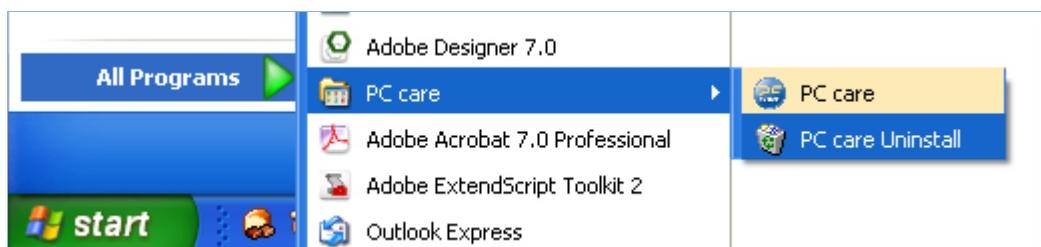
If you are logged on to Windows Vista with a Guest account rather than an Administrator account, please see Appendix 2 “Troubleshooting.”

## 2.1.2 Uninstalling PC care v 1.0.0 from your PC

You can uninstall PC care v1.0.0 from your PC in one of two ways.

### ※ Method 1

- ① Click Start →  Programs  Programs → PC care software  PC Care. Then select the PC care **Uninstall** option.



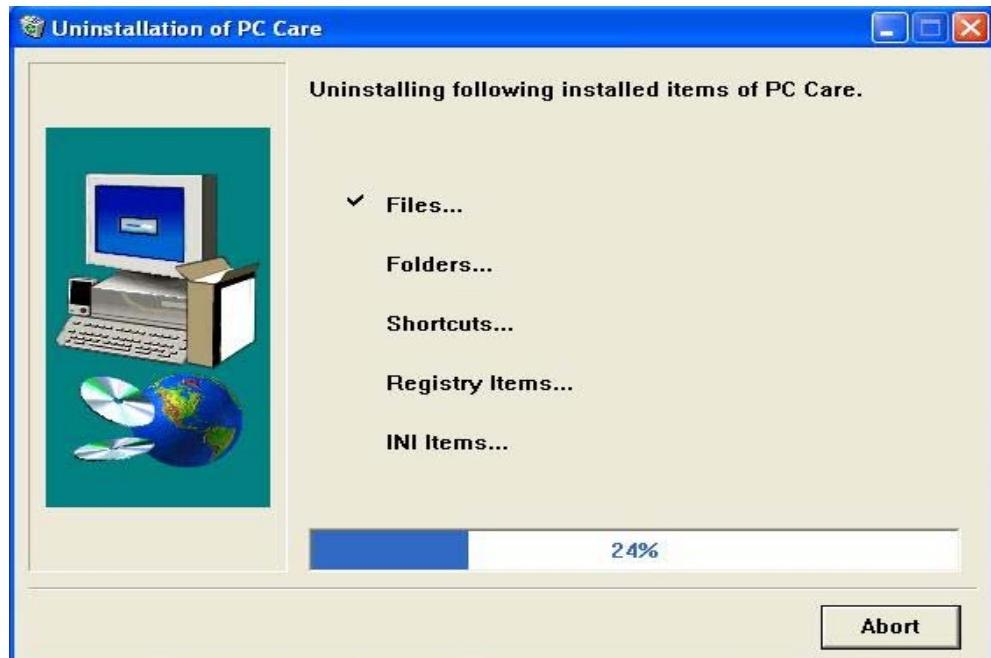
[Figure 2-17] Uninstalling PC care

- ② If you select “Uninstall PC care,” the message shown below will appear. To uninstall, click “Yes” to proceed to the next step.



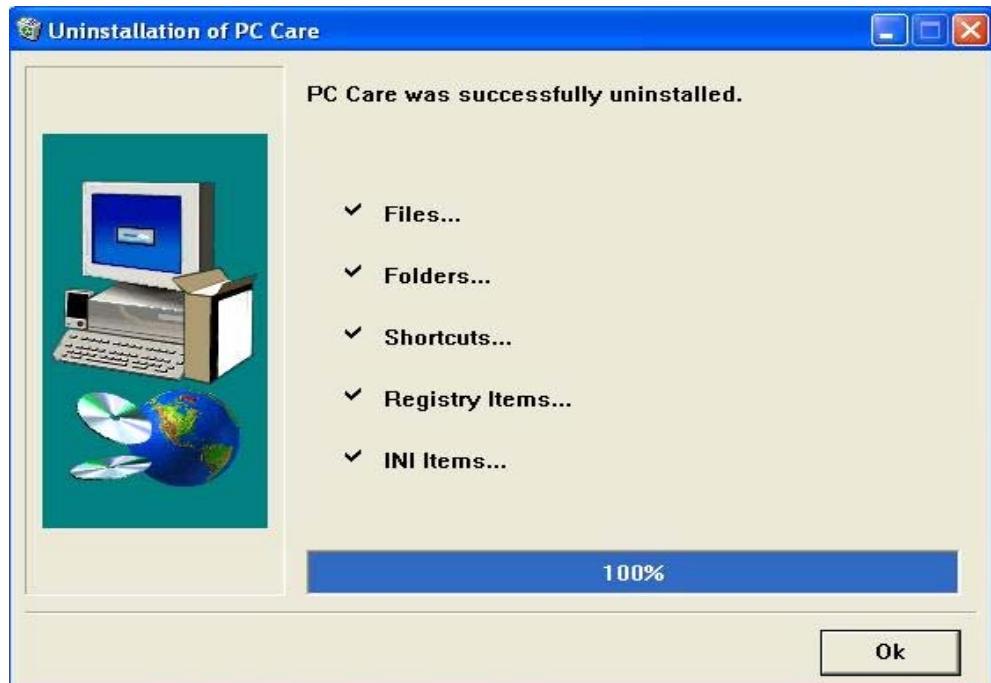
[Figure 2-18] Uninstalling PC care: Select Uninstalling PC care

- ③ Figure 2-19 below is the window that is displayed to show that PC care is being uninstalled.



[Figure 2-19] Uninstalling PC care: Uninstalling...

- ④ Figure 2-20 below is the window that is displayed to show that PC care has been successfully uninstalled. Click “OK” to close the window.



[Figure 2-20] Uninstalling PC care : PC care Uninstall complete

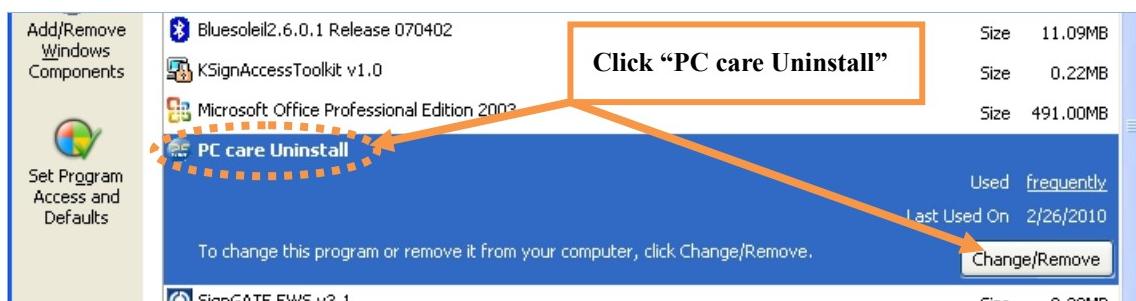
## ※ Method 2

- ① Click Start  → Settings  → Control Panel  Control Panel / and Add/Remove Programs.



[Figure 2-21] Control Panel: Select Add/Remove Programs

- ② From the “Add/Remove Programs” list, click on “PC care Uninstall.”



[Figure 2-22] Control Panel: Add/Remove Programs

Then, proceed from step 2-4 in **Uninstalling PC care: Method 1**.

## 2.2 Starting up PC care

### 2.2.1 Run the PC care program

Run the PC care program by double-clicking the PC care icon  on the desktop, or by selecting it through the Start menu.

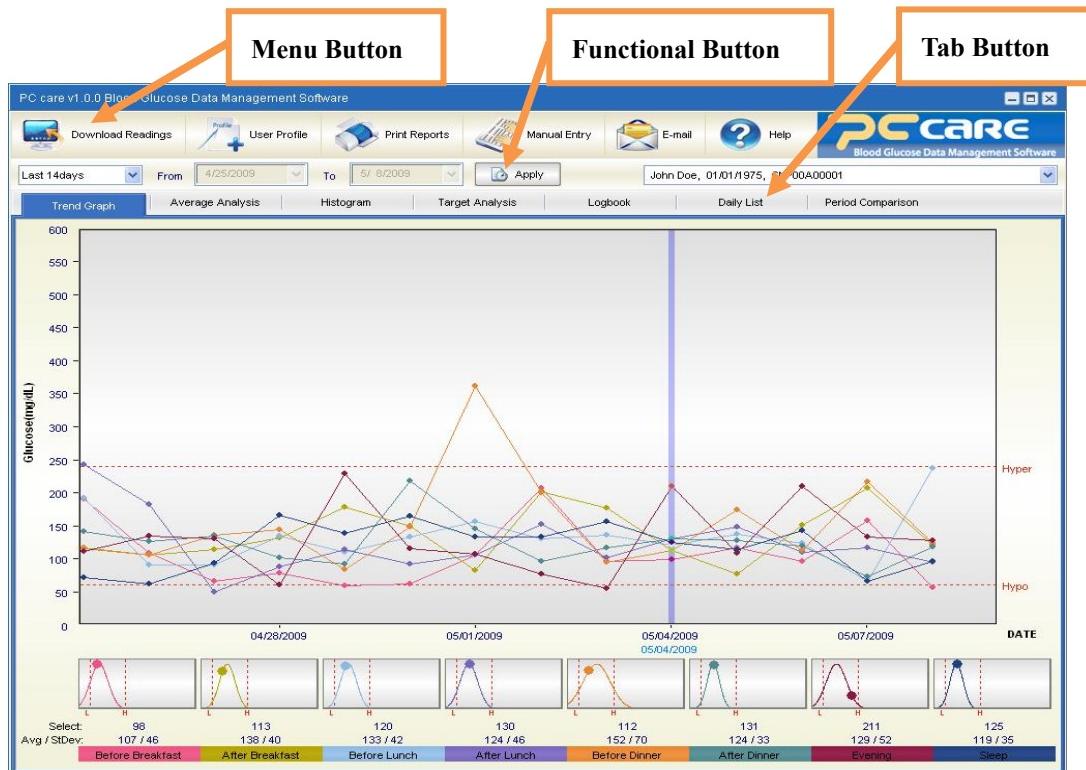


[Figure 2-23] Run PC care

#### 2.2.1.1 PC care screen

Communication Manager allows you to check connections between your meter and cable.

You can use the tab, functional or menu buttons to access the various features of PC Care.



[Figure 2-24] Program Screen

### 2.2.1.2 Communication Manager

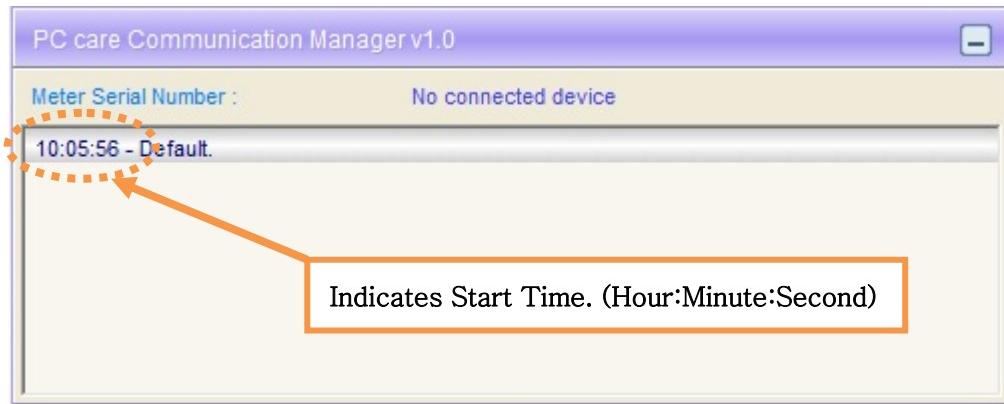
Communication Manager allows you to check connections between your meter and cable.

- ① When the PC care program is running, the PC care icon shown below will appear at the bottom-right corner of the PC screen. When the icon is double-clicked, the Communication Manager is activated, and when the program is terminated, the Communication Manager will disappear.



[Figure 2-25] Activate the Communication Manager

- This is the home screen of the Communication Manager. It is initializing Communication Manager.



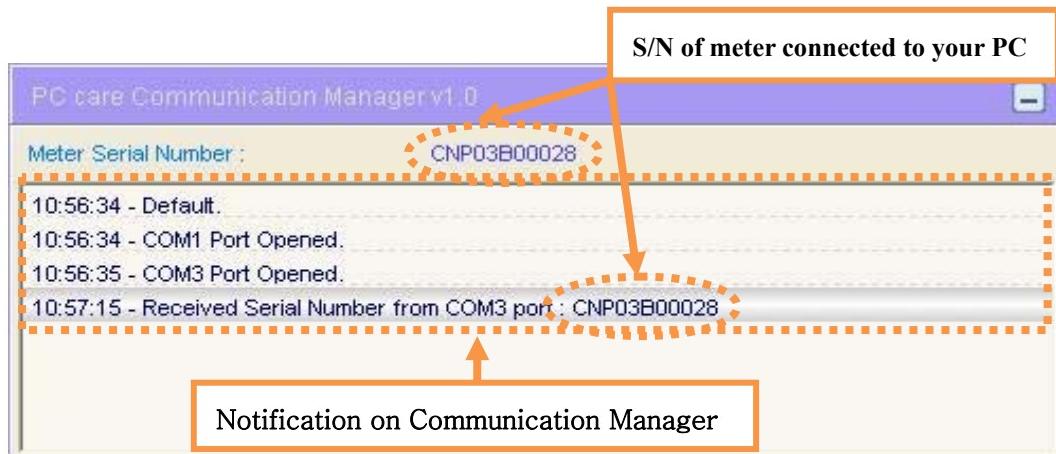
[Figure 2-26] Communication Manager: Initialize Communication Manager

- This indicates the port on your PC to which the meter is connected.



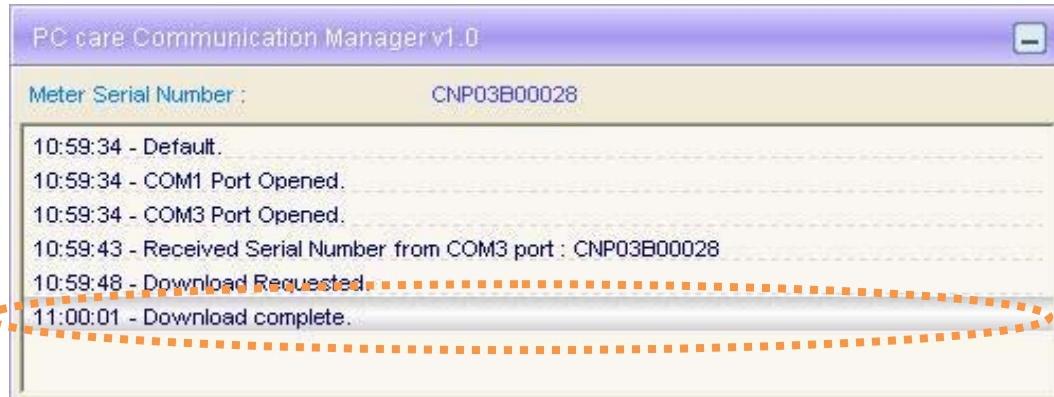
[Figure 2-27] Communication Manager : Cable Connection

- When the meter cable is properly connected with your PC, Communication Manager reads the serial number from the meter and runs the PC care program.



[Figure 2-28] Communication Manager: Meter Connection

- When the meter readings have been downloaded, the download complete message will appear.



[Figure 2-29] Communication Manager: Download Complete

- If you remove the PC care USB cable from your PC, the disconnect message will appear.



[Figure 2-30] Communication Manager: Disconnect Meter



### CAUTION

Please make sure that you only use the PC care USB cable provided by i-SENS to connect the meter to your PC. i-SENS will not be held responsible for any damages that may result from the use of a different USB cable.

**NOTE**

A serial cable is needed for CareSens meters. To purchase, please contact the Customer Center through our website ([www.i-sens.com](http://www.i-sens.com)).

**NOTE**

- 1. When you connect the meter with your PC for the first time,**
  - A message for new user registration appears before the connection message alert appears.**



[Figure 2-31] Register User



[Figure 2-32] Connecting the meter

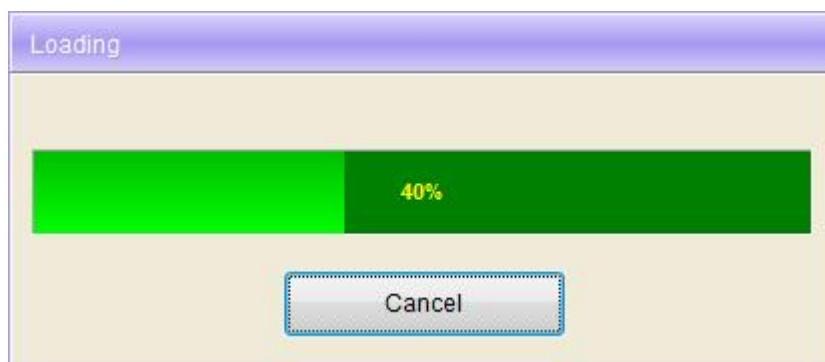
- When clicking the “User Profile” button, the following registration screen appears.**

Setup User Profile

User Information	Health Profile	Test Schedule
Serial Number <input type="text" value="CNP00A00001"/> <input type="checkbox" value="Automatic Download/Print Option"/>		
*First Name: <input type="text" value="John"/> *Last Name: <input type="text" value="Doe"/> Date of Birth: <input type="text" value="1/ 1/1975"/>		
Sex: <input type="text" value="Male"/> Height: <input type="text" value="0.0"/> in: <input type="text" value="0.0"/> lb		
Name of Doctor: <input type="text"/> Name of Hospital: <input type="text"/> Diabetes Counselor: <input type="text"/> Insurance: <input type="text"/>		
Comment: <input type="text"/>		
Favorites: <input type="checkbox"/> Trend Graph <input type="checkbox"/> Average Analysis <input type="checkbox"/> Histogram <input type="checkbox"/> Target Analysis <input type="checkbox"/> Period Comparison <input type="checkbox"/> Logbook		
<input type="button" value="OK"/> <input type="button" value="Cancel"/>		

[Figure 2-33] User Profile

- When the user registration is complete, data is downloaded from the meter automatically.



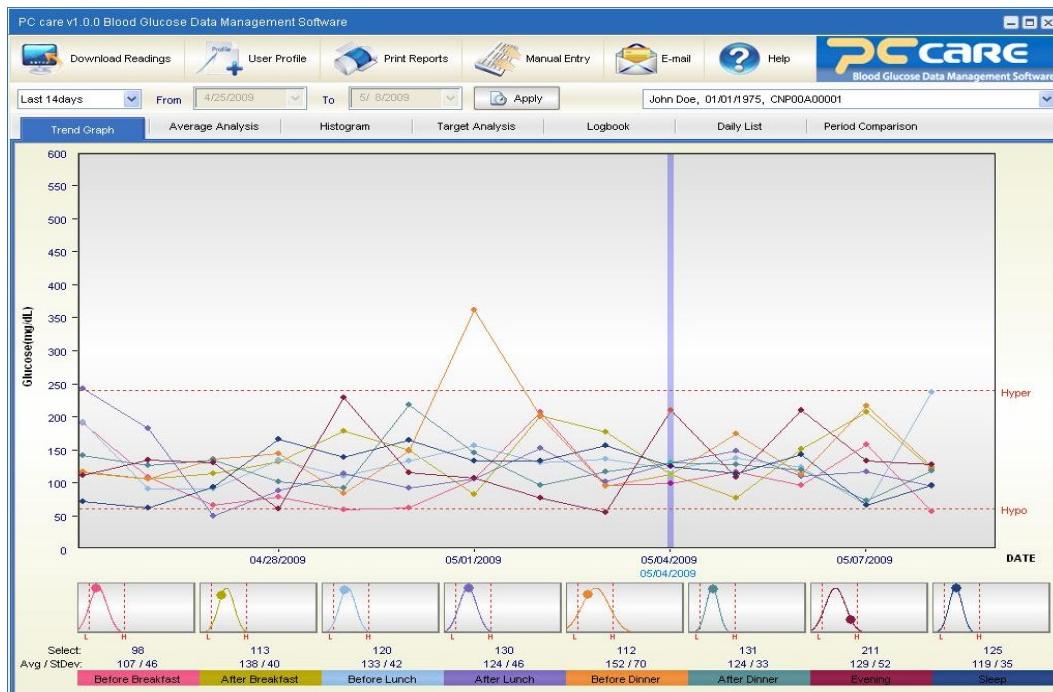
[Figure 2-34] Data Loading

## 2. When the meter is already registered on your PC,

- The message alerting that the meter is connected appears and upon clicking “OK”, The PC care program Home Screen appears on your desktop instead of User Profile Setup Window.



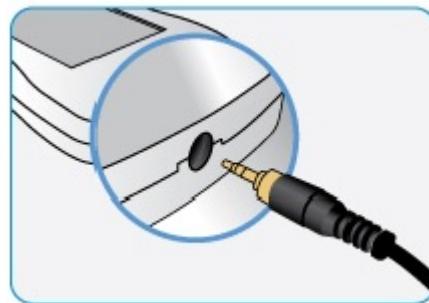
[Figure 2-35] Connecting the meter



[Figure 2-36] PC care screen

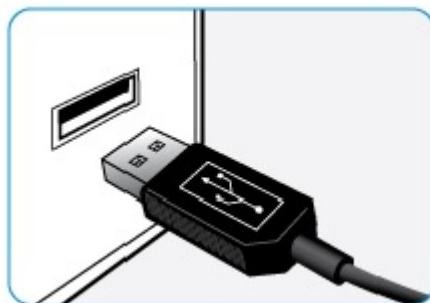
### 2.2.1.3 Connecting the meter to your computer

- ① Connect the phone jack to your meter.



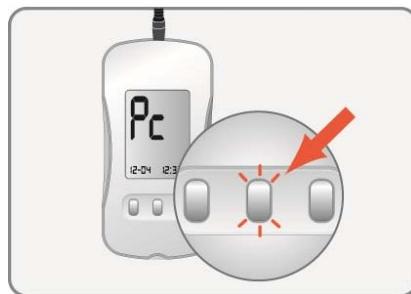
[Figure 2-37] Connect the phone jack to your meter

- ② Connect the PC care USB cable with your PC.



[Figure 2-38] Connect the PC care USB cable to your PC.

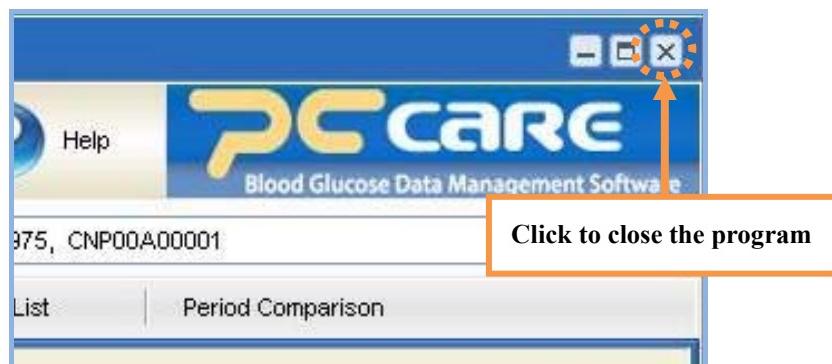
- ③ If you turn on the meter, the message “Pc” will appear on the meter display. The PC care program will run.



[Figure 2-39] Turn on the meter

## 2.2.2 Close PC care

To close the PC care program, click the Close Button at the top of PC care Home Screen, turn off the meter, or remove the PC care USB cable. If you reconnect the meter to your PC, PC care will start again.



[Figure 2-40] Close PC care

## 2.3 User Profile

On this page, you can register and modify the user's basic information, health profile and test schedule.

### 2.3.1 User Information

You can input and update personal information, including last name, first name, date of birth, gender, height, weight, doctor, hospital, diabetes educator name, insurance carrier, Favorites and Automatic Download/Print Options.

The screenshot shows the 'Setup User Profile' window with the 'User Information' tab selected. The interface is divided into several sections:

- Personal Information:** Includes fields for Serial Number (①), First Name (②), Last Name (③), Date of Birth (⑩/11/1975), Sex (④/Male), Height (⑤/0.0 in), Weight (⑥/0.0 lb), and a checkbox for Automatic Download/Print Option (⑬).
- Medical Professionals:** Fields for Name of Doctor (⑦), Name of Hospital (⑧), Diabetes Counselor (⑨), and Insurance (⑩).
- Comments:** A large text area labeled 'Comment' (⑪) for notes.
- Favorites:** A section labeled 'Favorites' (⑫) containing checkboxes for various analysis options: Trend Graph, Average Analysis, Histogram, Target Analysis, Period Comparison, and Logbook.
- Buttons:** At the bottom are 'OK' (⑭) and 'Cancel' (⑮) buttons.

[Figure 2-41] User Information

**① Serial Number**

This is automatically input when the meter is connected with your PC.

**② First/Last Name**

Enter your first and last name.

### ③ Date of Birth

Click on the arrow  to register your date of birth. A pop-up calendar box will then appear.



[Figure 2-42] Designate Date of Birth

To change the year or the month, click the Left  /Right  arrows until you find your desired year and month. To select a date, just click your desired date.



#### NOTE

If you click on the current date when searching for a specific date, you can move to the current date field.

### ④ Sex

You can select sex from the drop-down list.

### ⑤ Height

Enter your height.

### ⑥ Weight

Enter your weight.

### ⑦ Doctor

Enter your doctor's name.

### ⑧ Hospital

Enter your hospital's name.

**⑨ Diabetes Educator Name**

Enter your diabetes educator's name.

**⑩ Insurance**

Enter your insurance information.

**⑪ Comment**

Enter any other relevant information.

**⑫ Favorites**

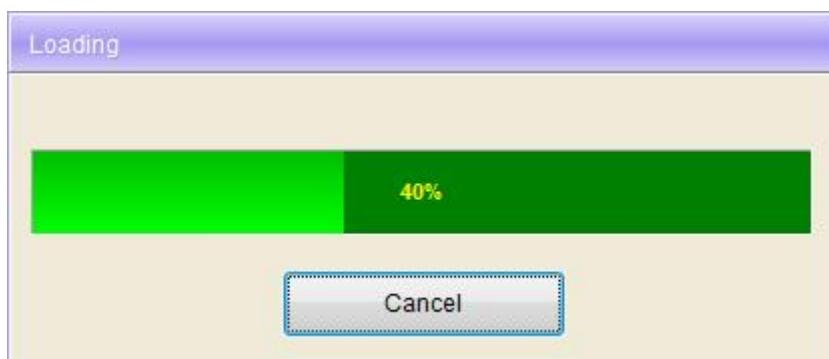
You can set your print priorities here.



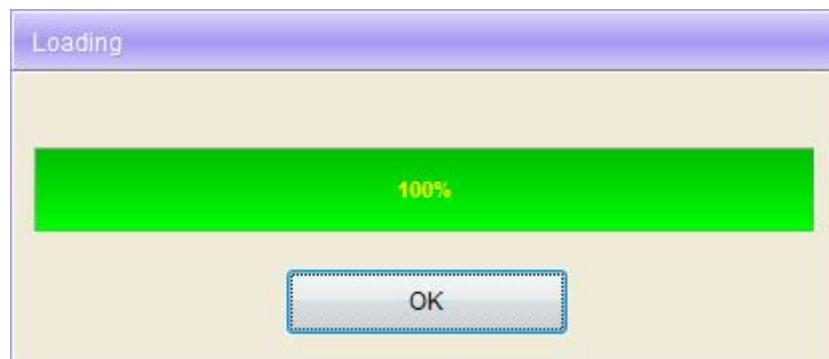
[Figure 2-43] Favorites

**⑬ Automatic Download/Print Option**

- If you select this option, data and other information will automatically be transferred from the meter to your PC and printed when the meter is connected to your PC.
- If you select this option, it will be applied the next time the software starts.
- The data readings from the most recent 14 days will be printed when you select this option.
- You can cancel a print job in progress by clicking "Cancel."



[Figure 2-44] Print job in progress



[Figure 2-45] Printing complete



#### NOTE

If you click the print button after selecting Automatic Download/Print Option, your favorite report(s) will be printed instantly, without displaying the print setup window.

#### ⑭ Ok

You can save the changes you have made to your User Information.

#### ⑮ Cancel

You can cancel the changes you have made to your User Information.

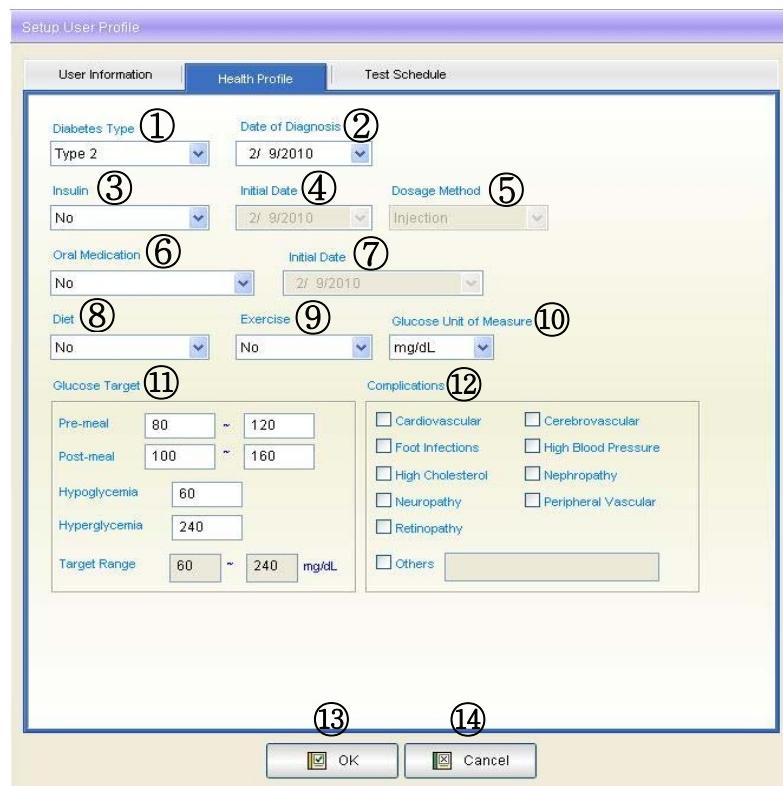
### 2.3.2 Health Profile

You can register and correct blood glucose information, including diabetes, insulin, oral medications, dietary treatment, exercise treatment, blood glucose target, and diabetic complications.



#### WARNING

- Make sure to double-check all data after it has been entered. The PC care program will not verify whether your information is true or not.
- Before you use your information, consult an expert and verify whether your information is correct or not. Using or depending on incorrect information may cause serious damage to your health.



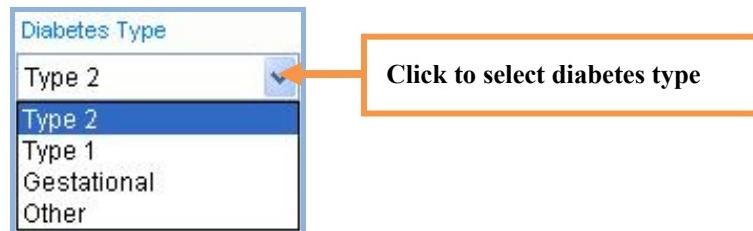
The screenshot shows the 'Setup User Profile' dialog box with the 'Health Profile' tab selected. The interface is divided into several sections:

- Diabetes Type (1):** A dropdown menu showing "Type 2".
- Date of Diagnosis (2):** A dropdown menu showing "2/ 9/2010".
- Insulin (3):** A dropdown menu showing "No".
- Initial Date (4):** A dropdown menu showing "2/ 9/2010".
- Dosage Method (5):** A dropdown menu showing "Injection".
- Oral Medication (6):** A dropdown menu showing "No".
- Initial Date (7):** A dropdown menu showing "2/ 9/2010".
- Diet (8):** A dropdown menu showing "No".
- Exercise (9):** A dropdown menu showing "No".
- Glucose Unit of Measure (10):** A dropdown menu showing "mg/dL".
- Glucose Target (11):** A section with input fields for Pre-meal (80 ~ 120), Post-meal (100 ~ 160), Hypoglycemia (60), Hyperglycemia (240), and Target Range (60 ~ 240 mg/dL).
- Complications (12):** A section with checkboxes for various complications: Cardiovascular, Foot Infections, High Cholesterol, Neuropathy, Retinopathy, Cerebrovascular, High Blood Pressure, Nephropathy, Peripheral Vascular, and Others.
- Buttons (13, 14):** At the bottom are two buttons: "OK" and "Cancel".

[Figure 2-46] Health Profile

### ① Diabetes Type

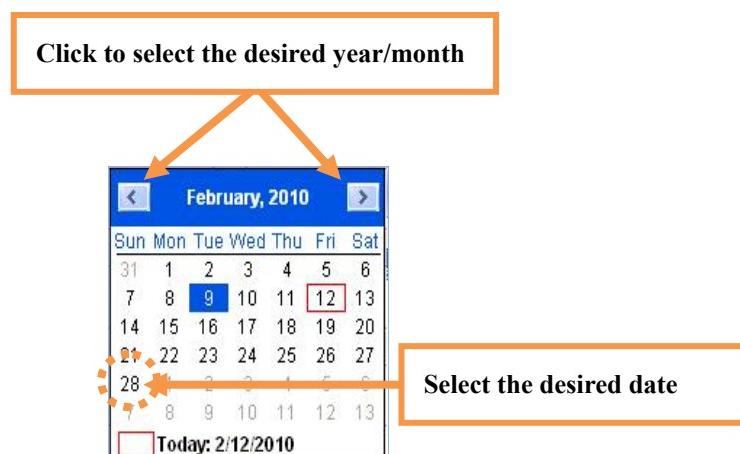
You can specify your Diabetes Type by selecting from the drop-down list. Diabetes Types include Type 2, Type 1, GDM (Gestational Diabetes Mellitus), and Other. Type 2 is the default setting.



[Figure 2-47] Drop-down list of diabetes types

### ② Date of Diagnosis

You can specify your date of diagnosis by clicking the arrow .



[Figure 2-48] Drop-Down Calendar for selecting date

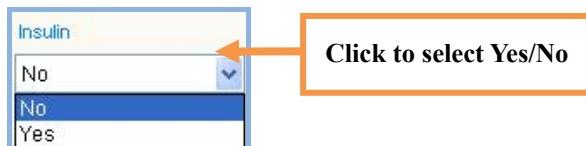
To change the year or the month, click the Left  /Right 

#### NOTE

If you click on the current date when searching for a specific date, you can move to the current date field.

### ③ Insulin

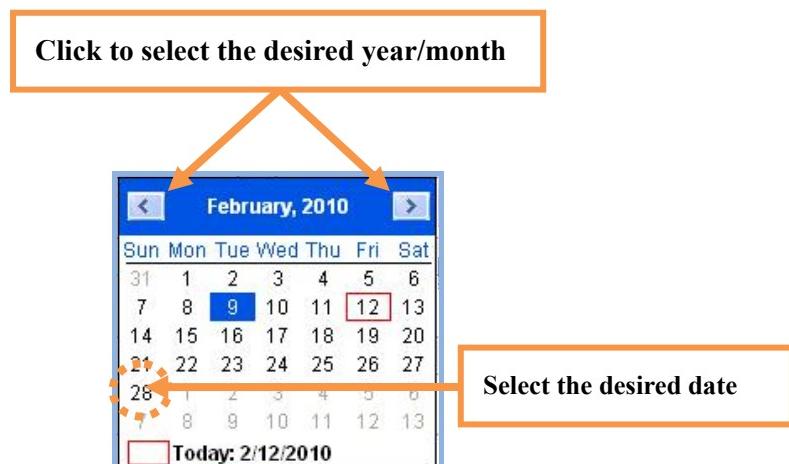
You can designate whether you need insulin or not by selecting an option from the drop-down list.



[Figure 2-49] Drop-Down List to select whether you need insulin or not

#### ④ Initial Date

You can specify your date of diagnosis by clicking the arrow .



[Figure 2-50] Drop-Down Menu to designate a start date

To change the year or the month, click on the Left  /Right  arrows until you find your desired year or month. To select a date, click on your desired date.

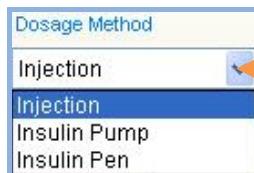


#### NOTE

If you click on the current date when searching for a specific date, you can move to the current date field.

#### ⑤ Dosage Method

You can specify your insulin type by selecting an option from the drop-down list.



[Figure 2-51] Drop-Down Menu to select insulin type

#### ⑥ Oral Medication

You can specify whether or not you are taking oral medications by selecting an option from the drop-down list.



[Figure 2-52] Drop-Down List to select Yes/No

#### ⑦ Initial Date

You can specify date of diagnosis by clicking the arrow .

Click to select the desired year/month



Select the desired date

[Figure 2-53] Drop-Down Calendar to designate start date

To change the year or the month, click on the Left  /Right  arrows until you find your desired year or month. To select a date, just click on your desired date.

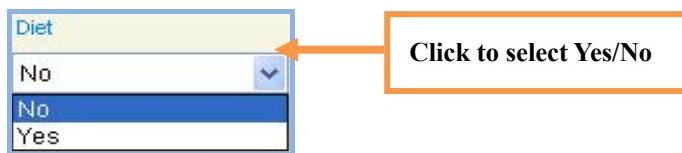


#### NOTE

If you click on the current date when searching for a specific date, you can move to the current date field.

## ⑧ Diet

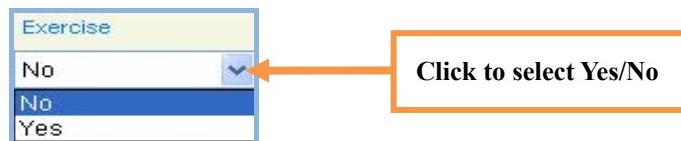
You can specify whether or not you are taking a dietary treatment by selecting an option from the drop-down list.



[Figure 2-54] Drop-Down List to select Yes/No

## ⑨ Exercise

You can specify whether or not you are taking an exercise treatment by selecting an option from the drop-down list.



[Figure 2-55] Drop-Down List to select Yes/No

## ⑩ Glucose Unit of Measure

You can specify the unit of measurement (mg/dL or mmol/L) by selecting an option from the drop-down list.

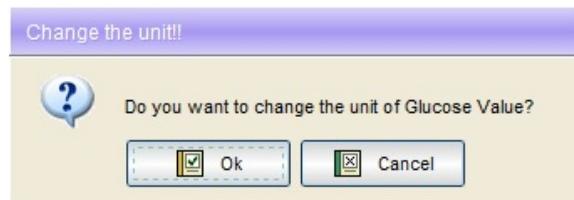


[Figure 2-56] Drop-Down List to select unit of measurement



### WARNING

As changing the unit of measurement may cause serious errors in the reading of meter data, the following warning message will appear.



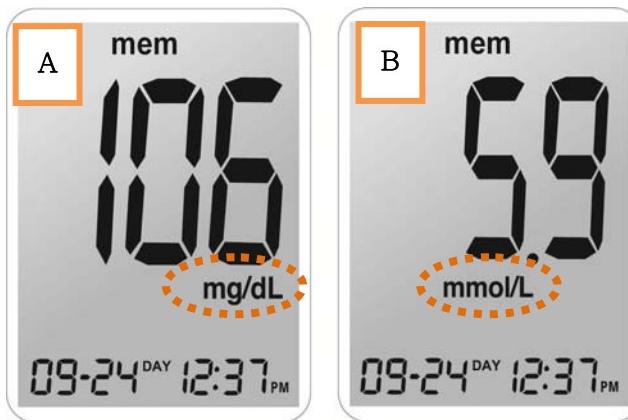
[Figure 2-57] Change the unit



## CAUTION

### Units of Measure

- Units of measurement differ according to the standards that have been adopted in different countries or regions. Milligrams per deciliter (mg/dL) is the standard unit used in the United States, while millimoles/liter (mmol/L) is the unit of measurement used in Canada, some European countries and other parts of the world. This unit includes a decimal point, but mg/dL results do not.
- Blood glucose data may differ significantly according to the unit of measurement used (mg/dl or mmol/L).
- Please check the blood glucose unit of measurement shown on your meter display with the test results to see the results in PC care the same way they are displayed on your meter. To view results differently from the meter, PC care can automatically convert data for display, without changing the meter settings.



[Figure 2-58] Unit of Measurement on the Meter Display

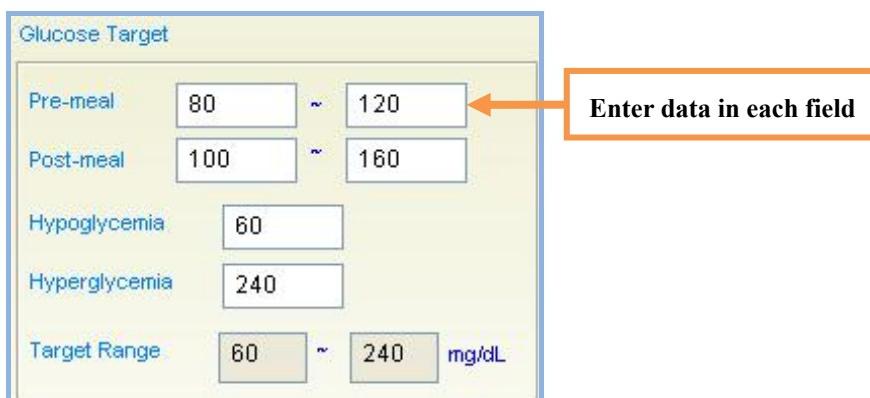
**Meter A uses mg/dL as a unit of measurement.**

**Meter B uses mmol/L as a unit of measurement.**

## ⑪ Glucose Target

Set your blood glucose target ranges Pre or Post meal.

- You can correct the hypoglycemic and hyperglycemic fields pre or post meal.
- For the full range field, the minimum limit for data in the pre-meal, post-meal, hypoglycemic, and hyperglycemic fields is automatically input in the left field, and the maximum limit is input in the right field.



The screenshot shows the 'Glucose Target' configuration window. It contains five rows of target range inputs:

	From	To
Pre-meal	80	120
Post-meal	100	160
Hypoglycemia	60	
Hyperglycemia	240	
Target Range	60	240 mg/dL

An orange arrow points from the text 'Enter data in each field' to the 'To' field of the Pre-meal row.

[Figure 2-59] Glucose Target



### NOTE

You can create target ranges as follows.

- Enter the minimum limits for each meal slot target range in the **From** field.
- Enter the maximum limits for each meal slot target range in the **To** field.
- Each **To** value must be greater than or equal to its corresponding **From** value.
- Pre-meal and post-meal target ranges can be partly the same.
- Make sure to create both pre-meal and post-meal target ranges.



### WARNING

- Please be sure to consult your doctor before setting your targets.

**NOTE**

Major health organizations recommend the following target ranges in their clinical practice guidelines.

**[A] American Diabetes Association**

In mg/dL

Pre-meal targets*	90-130 mg/dL
Post-meal targets*	90-180 mg/dL

In mmol/L

Pre-meal targets *	5.0-7.2 mmol/L
Post-meal targets *	5.0-10.0mmol/L

**[B] American Association of Clinical Endocrinologists Guidelines for Intensive Diabetes Self-management**

In mg/dL

Pre-meal targets *	90-110 mg/dL
Post-meal targets *	90-140 mg/dL

In mmol/L

Pre-meal targets *	5.0-6.1 mmol/L
Post-meal targets *	5.0-7.8 mmol/L

**[C] Canadian Diabetes Association**

Pre-meal targets *	4.0-7.0 mmol/L
Post-meal targets *	5.0-11.8mmol/L

\* These values are applicable to pre-and post-meal targets for user-specific and diabetes-type specific targets for Types 1 and 2.

⑫ **Complications**

Choose your diabetes-related complication types. Click on all complication types that are applicable. If you have a complication type that is not included on the list, manually enter it in the **Other** field.

Select your type(s) of diabetic complications.

Complications	
<input type="checkbox"/> Cardiovascular	<input type="checkbox"/> Cerebrovascular
<input type="checkbox"/> Foot Infections	<input type="checkbox"/> High Blood Pressure
<input type="checkbox"/> High Cholesterol	<input type="checkbox"/> Nephropathy
<input type="checkbox"/> Neuropathy	<input type="checkbox"/> Peripheral Vascular
<input type="checkbox"/> Retinopathy	
<input type="checkbox"/> Others	

Manually input your type(s) of diabetic complications here.

[Figure 2-60] Complications

⑬ **OK**

Click “OK” to save your modifications

⑭ **Cancel**

Click “Cancel” to cancel your modifications.

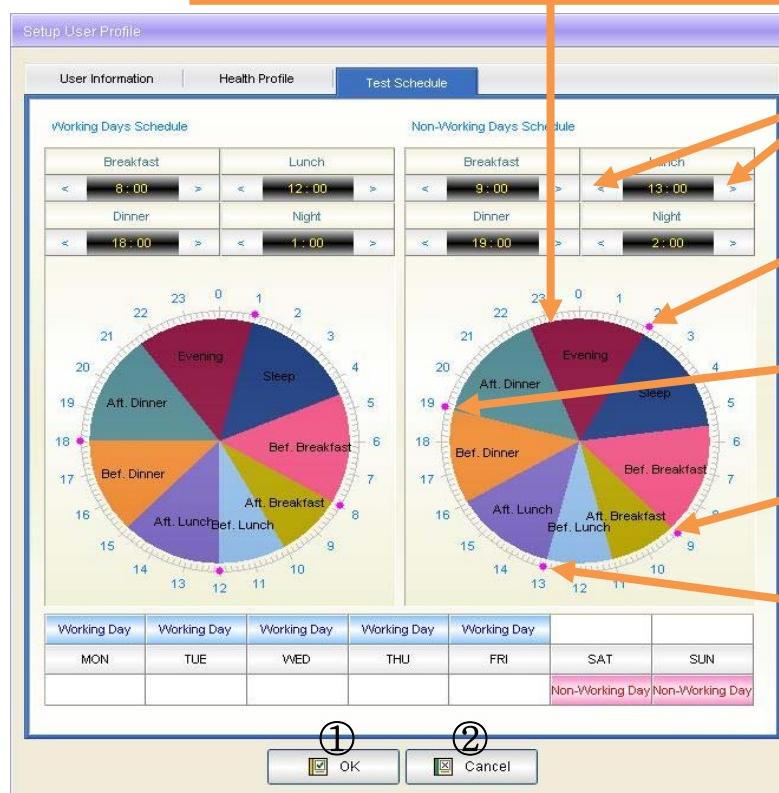
### 2.3.3 Test Schedule

PC care organizes data for reports using meal slots. In the schedule tab, you can customize the start and end time for 8 pre-defined meal slots, for both working and non-working days. This allows you to track and monitor your glucose levels and medications for specific time periods. The following are 8 pre-defined meal slots.

#### ■ Meal Slots

- Before Breakfast
- After Breakfast
- Before Lunch
- After Lunch
- Before Dinner
- After Dinner
- Evening
- Sleep

The pie chart will be re-adjusted by setting the meal time.



[Figure 2-61] Test Schedule

- Click on the ▲left/right▼ buttons to customize the time periods (unit: ten minutes).
- The four dots on the pie chart indicate each of the four meal-time periods.
- Each of the four meal-time periods is divided in half, making 8 meal slots.
- Cells above the day names indicate working days, while cells below the day names indicate non-working days.

Working Day						
MON	TUE	WED	THU	FRI	SAT	SUN
					Non-Working Day	Non-Working Day

[Figure 2-62] Test Schedule – Set working or non-working days

- If you click a blank cell below a working day, it will be changed into a non-working day. If you click a blank cell above a non-working day, it will be changed into a working day.
- If you want to change Monday into a non-working day and Sunday into a working day, just click as shown in the figure below.

The diagram shows a 7-day test schedule grid. The first column (Monday) has a dashed orange circle around its 'Working Day' header cell. A dashed orange arrow points from a central 'Click here' button to the cell for Sunday (Non-Working Day). A solid orange arrow points from the same 'Click here' button to the cell for Sunday (Non-Working Day).

Working Day						
MON	TUE	WED	THU	FRI	SAT	SUN
					Non-Working Day	Non-Working Day

The diagram shows a 7-day test schedule grid. The first column (Monday) is highlighted in pink (Non-Working Day). The last column (Sunday) is highlighted in blue (Working Day).

	Working Day	Working Day	Working Day	Working Day		Working Day
MON	TUE	WED	THU	FRI	SAT	SUN
Non-Working Day					Non-Working Day	

[Figure 2-63] Test Schedule – Before Change (Above), After Change (Below)



### NOTE

You cannot make a daily schedule that exceeds 24 hours in the PC care program. If you try to do this, an error message will appear, and your schedule will be re-adjusted to a 24-hour day.

### ① OK

Click “OK” to save your modifications.

---

## ② Cancel

Click “Cancel” to cancel your modifications.



### WARNING

---

- Make sure to set the time in your meter to match the current time on your PC.
- 



### CAUTION

---

- If any schedule doesn't match, the blood glucose data in PC care may be displayed in an inappropriate meal slot. If data appears in an inappropriate meal slot, you may misinterpret the information when tracking data.
  - All data in the before-breakfast through bedtime meal slots will be displayed sequentially with the date of the before-breakfast start time. This includes data that may be recorded after midnight.
-

# Chapter 3 Data Management

## 3.1 Download Readings

## 3.2 Manual Entry

### 3.2.1 Manual Entry Menu

## 3.3 Reports

### 3.3.1 Day Periods

### 3.3.2 Reports

#### 3.3.2.1 Trend Graph

#### 3.3.2.2 Average Analysis

#### 3.3.2.3 Histogram

#### 3.3.2.4 Target Analysis

#### 3.3.2.5 Logbook

#### 3.3.2.6 Daily List

#### 3.3.2.7 Period Comparison

## 3.4 Printing Reports

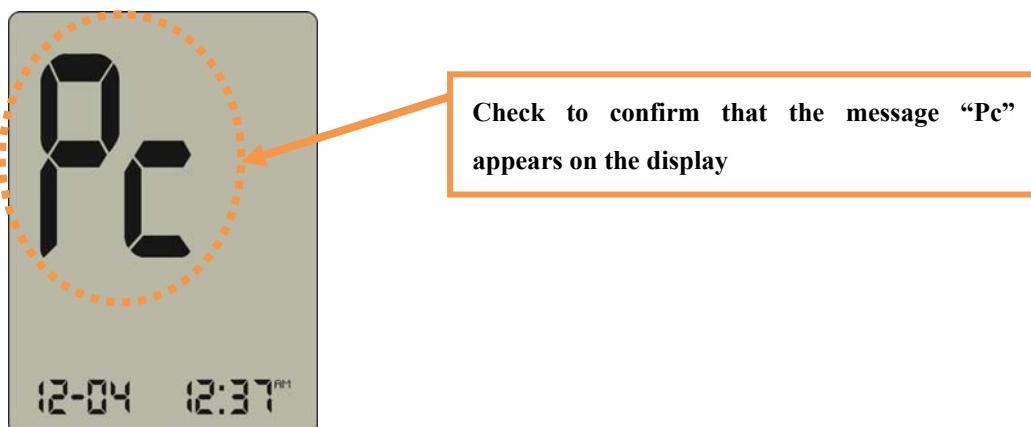
## 3.5 E-mail

# Chapter 3 Data Management

## 3.1 Download Readings

Your meter should be on and connected to your PC to transfer the meter data to your PC. Your meter data is automatically transferred to the PC when you click on **Download Readings**, or if you have chosen “**Automatic Download / Print Option**”.

A pop-up window will appear, to show the Download Readings progress. When the downloading of readings is complete, the “Download Complete” message will appear on the screen. After completing the download, you can choose whether to save the data downloaded to your PC or not.



[Figure 3-1] Message on the meter



### CAUTION

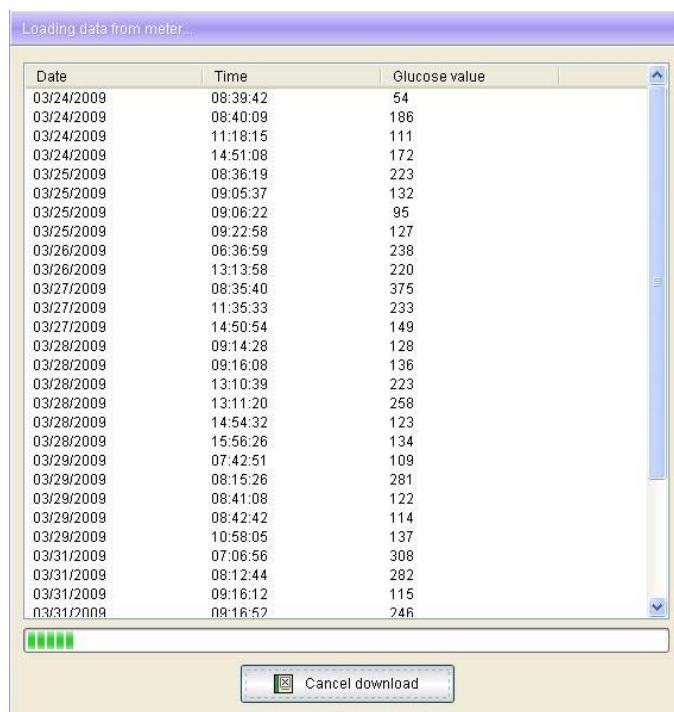
While you are downloading meter data, do not remove the PC care USB cable from your PC or your meter.

- ① Click the “Download Readings” button in the PC care window.



[Figure 3-2] Click the Download button

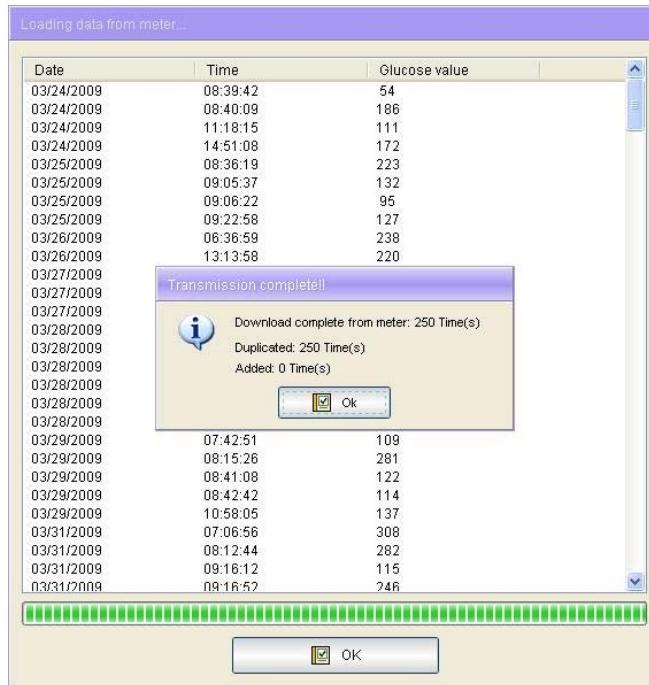
- ② Figure 3-2 shows that your meter readings are being downloaded.



Date	Time	Glucose value
03/24/2009	08:39:42	54
03/24/2009	08:40:09	186
03/24/2009	11:18:15	111
03/24/2009	14:51:08	172
03/25/2009	08:36:19	223
03/25/2009	09:05:37	132
03/25/2009	09:06:22	95
03/25/2009	09:22:58	127
03/26/2009	06:36:59	238
03/26/2009	13:13:58	220
03/27/2009	08:35:40	375
03/27/2009	11:35:33	233
03/27/2009	14:50:54	149
03/28/2009	09:14:28	128
03/28/2009	09:16:08	136
03/28/2009	13:10:39	223
03/28/2009	13:11:20	258
03/28/2009	14:54:32	123
03/28/2009	15:56:26	134
03/29/2009	07:42:51	109
03/29/2009	08:15:26	281
03/29/2009	08:41:08	122
03/29/2009	08:42:42	114
03/29/2009	10:58:05	137
03/31/2009	07:06:56	308
03/31/2009	08:12:44	282
03/31/2009	09:16:12	115
03/31/2009	09:16:57	246

[Figure 3-3] Data Transfer

- ③ **Figure 3-3** shows that data transfer is complete. The pop-up window also shows the number of Duplicated data and number of Added data.



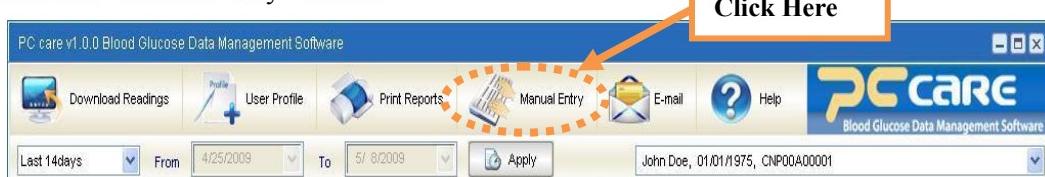
[Figure 3-4] Data Transfer Complete

## 3.2 Manual Entry

### 3.2.1 Manual Entry Menu

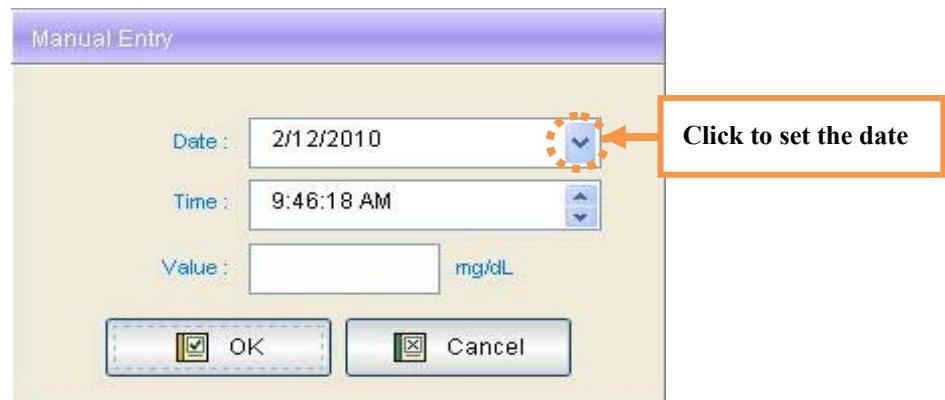
This menu allows you to save the results from meters other than one currently in use.

- Click the “Manual Entry” button.

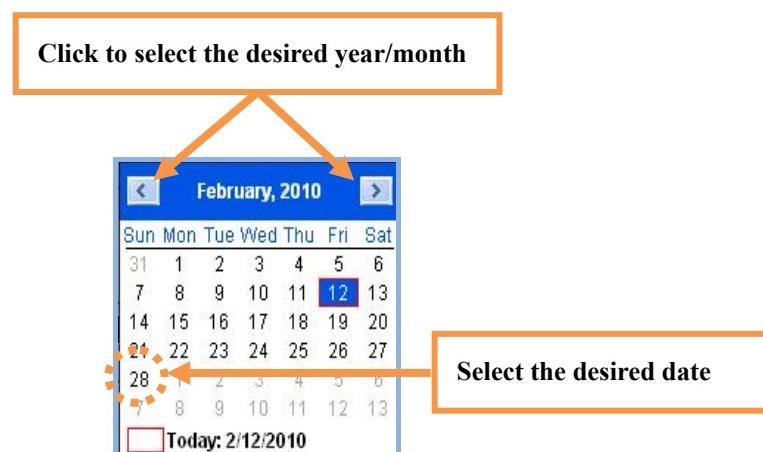


[Figure 3-5] Manual Entry

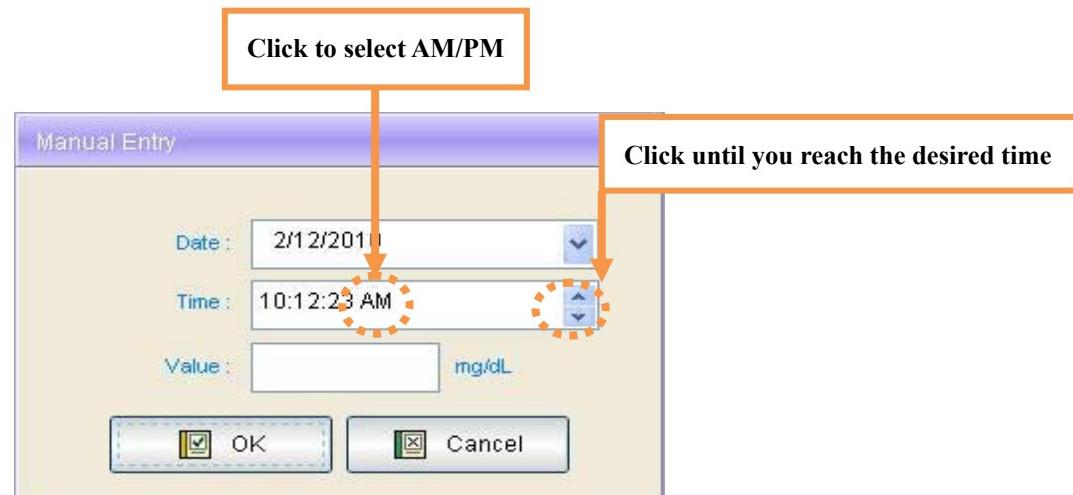
- By default, the current date and time are set. You can change this default setting using the Manual Entry menu. However, it is impossible to input a date or a time that is later than the current time.



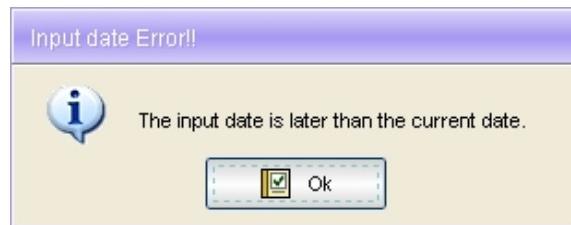
[Figure 3-6] Manual Entry blood glucose data: Date Modification



[Figure 3-7] Manual Entry blood glucose data: Select the desired date



[Figure 3-8] Manual Entry blood glucose data: Set the time



[Figure 3-9] Manual Entry blood glucose data: Date Error Message

- Blood glucose data range should be 20 ~ 600 mg/dL (1.1 ~ 33.3 mmol/L).

The image shows two side-by-side "Manual Entry" dialog boxes. The left dialog is for mg/dL and the right is for mmol/L. Both dialogs have fields for Date (3/5/2009 and 2/12/2010 respectively), Time (11:23:23 PM and 10:14:35 AM), and Value (98 and 6.5). Each dialog has "OK" and "Cancel" buttons.

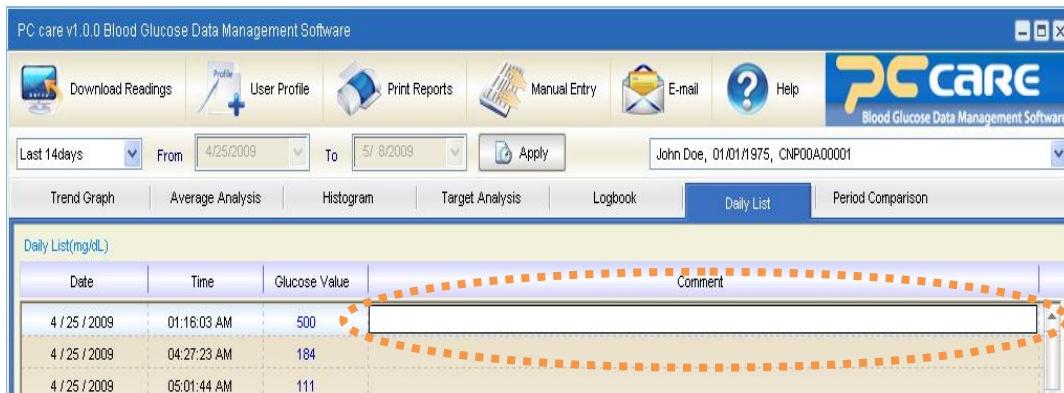
[Figure 3-10] Manual entry blood glucose data (Left: mg/dL ; Right: mmol/L)

- If you click “OK” after entering blood glucose data that exceeds the range, an error message will appear.



[Figure 3-11] Manual entry blood glucose data: Data Error Message  
(Left: mg/dL , Right: mmol/L)

- You can add or amend the comments input in Data List Report.



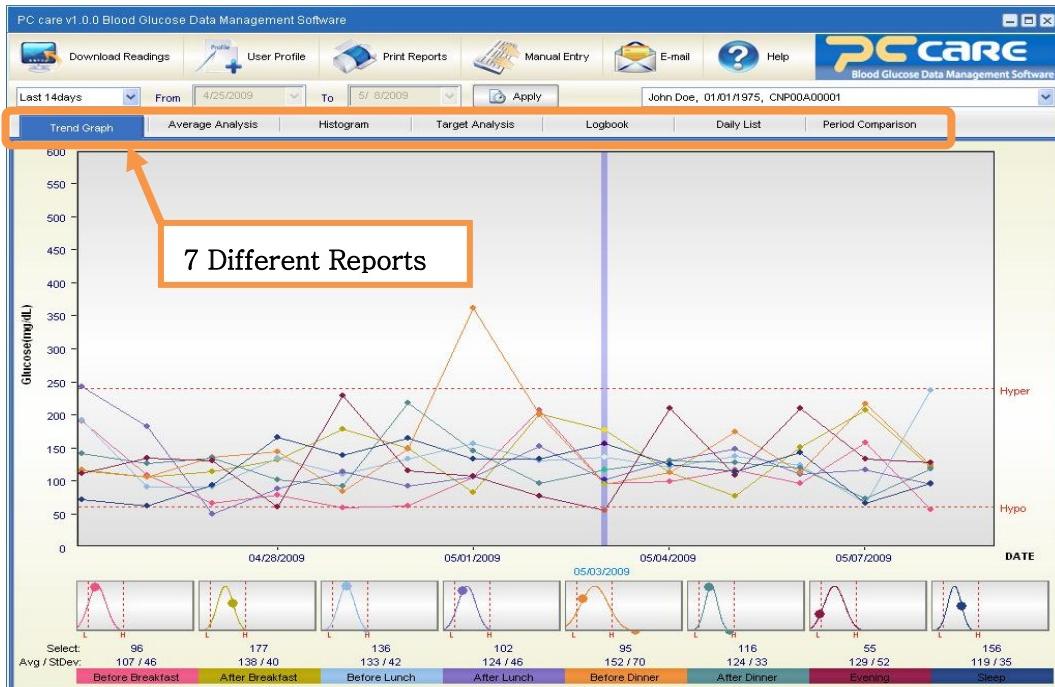
[Figure 3-12] Manually-Entered blood glucose data: Add/ Amend Comments

### 3.3 Reports

Reports allow you to manage data measured for 8 time periods that are customized in the Test Schedule. These eight time periods include **Before Breakfast, After Breakfast, Before Lunch, After Lunch, Before Dinner, After Dinner, Evening and Sleep**.

Reports allow you to see data from the past 14 days, and change time periods. To see the

updated data after changing time periods, click the “**Apply**” button.



[Figure 3-12] General Report Information

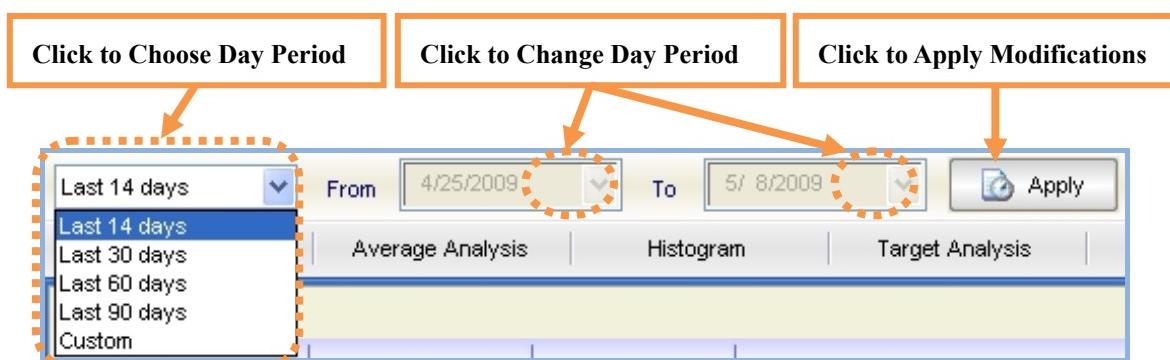


## CAUTION

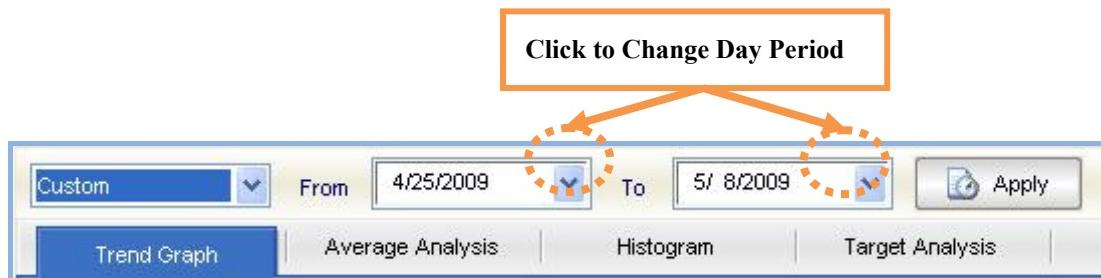
Some reports include a percentage of blood glucose data that are outside and within the target ranges. You may also note that some percentages do not add up to exactly 100%. This is due to rounding errors, and does not reflect on the accuracy of the calculations or PC care.

### 3.3.1 Day Periods

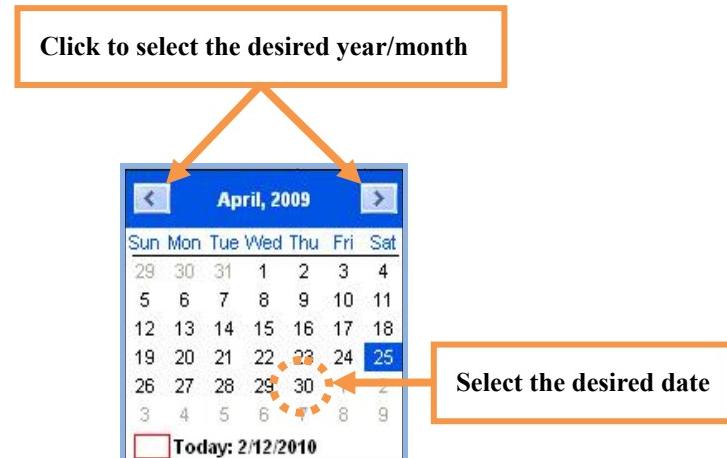
Day Periods consist of 1) Last 14 days, 2) Last 30 days, 3) Last 60 days, 4) Last 90 days, and 5) Custom which allows you to set the year up to 2036.



[Figure 3-13] Set day period



[Figure 3-14] Set Day Period (Custom) : Change Day Period



[Figure 3-15] Set Day Period (Custom): Select the Desired Day



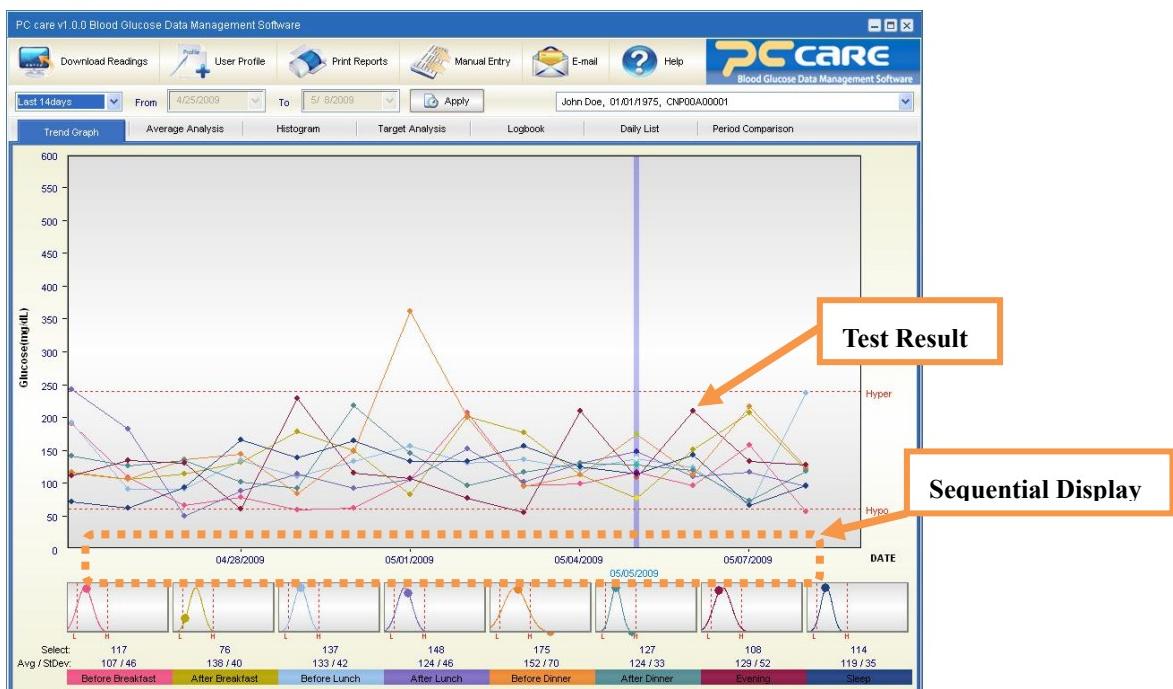
#### NOTE

When you start the PC care program, the Trend Graph will appear on your home screen.

### 3.3.2 Reports

#### 3.3.2.1 Trend Graph

The Trend Graph displays daily data for a selected data range (see figure 3-14). This report allows you to easily track changes in blood glucose data on a daily basis.



[Figure 3-16] Trend Graph

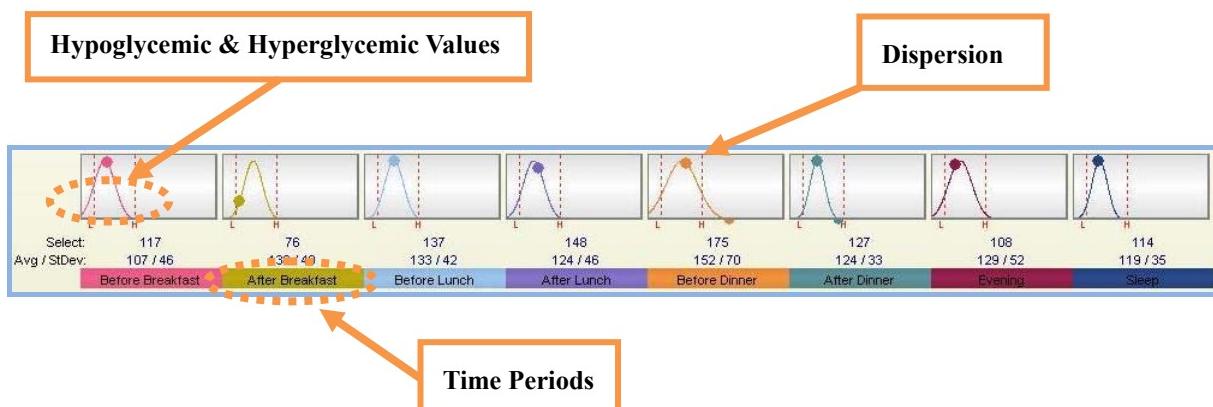
- Blood glucose data are shown as dots on an X-Y graph. Each piece of data is connected to the next with a solid line.



#### CAUTION

The solid line that connects blood glucose data in this graph does not reflect actual glucose levels. Blood sugar may be higher or lower at various points throughout the day, particularly around mealtimes, medication or exercise. Actual testing before and after these events is required to understand how they affect your glucose levels.

- Glucose data will appear in chronological order, from oldest to most recent. The X-axis represents the date and time of the measurement, and the Y-axis represents the actual glucose level. All blood glucose data for a particular day are displayed. If you print the Trend Graph, the glucose data is displayed as dots, which are connected by solid lines.
- Hypoglycemic and hyperglycemic data are displayed as horizontal dotted lines.



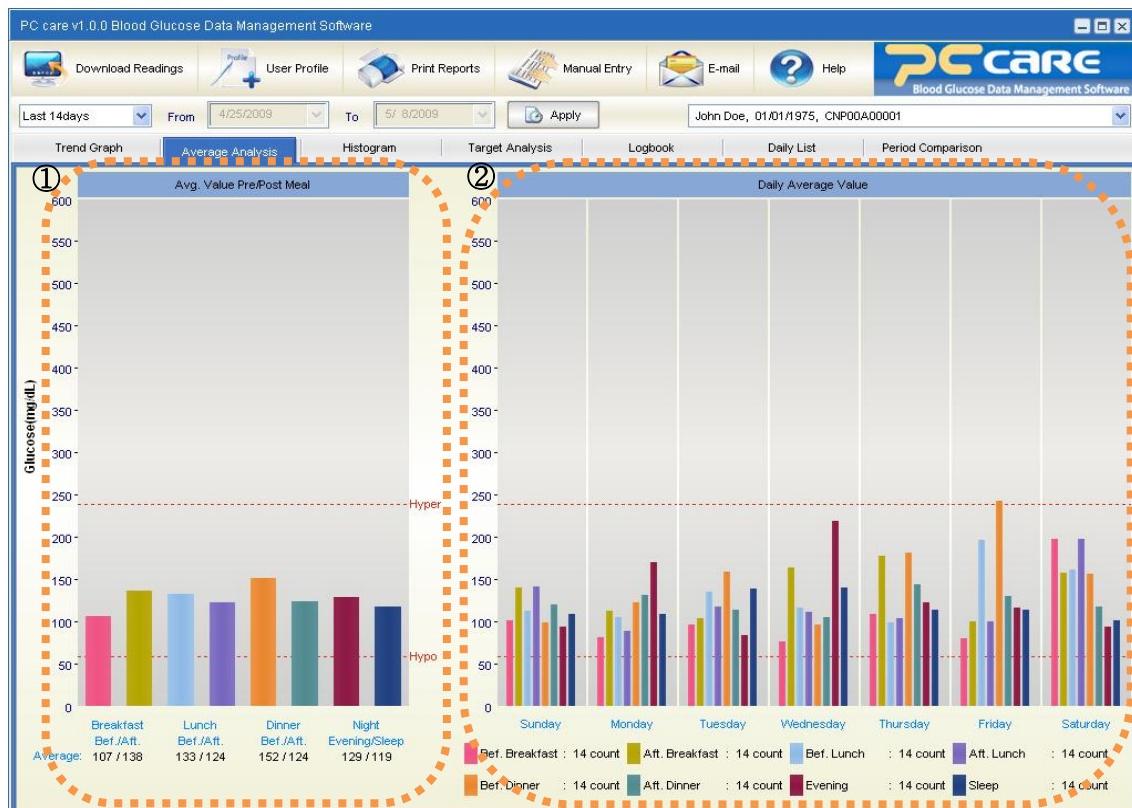
[Figure 3-17] Trend Graph: Average/ Standard Deviation Graph (Below Graph)

- 1) The sub-graph of the trend graph indicates the normal distribution of blood glucose data.
- 2) The normal distribution of blood glucose data indicates a statistical distribution in which data are represented by a bell-shaped curve. The dots on the upper chart represent the data of dates designated by the user.
- 3) The normal distribution describes blood glucose data that tends to cluster around the mean. The more narrow the symmetrical width, the smaller the standard deviation; the wider, the bigger.
- 4) A low standard deviation indicates that the data points tend to be very close to the mean and show narrow variance in blood glucose data, whereas a high standard deviation indicates that the data are spread out over a large range of values, and show a wide variance in blood glucose data.
- 5) The two dotted lines represent hypoglycemic and hyperglycemic levels.
- 6) Figure 3-15 below shows glucose averages and standard deviations for each time period on the date selected, and selectively shows blood glucose levels for the date selected.
- 7) You can either open or close all charts other than the applicable time frame chart by clicking the left mouse button on each time frame chart.
- 8) You can either open or close the applicable time frame chart by clicking the right

mouse button on each time frame chart.

### 3.3.2.2 Average Analysis

The Average Analysis shows glucose averages by meal slots and day of the week (see figure 3-16). This analysis allows you to monitor how glucose data are influenced by meals and by day.

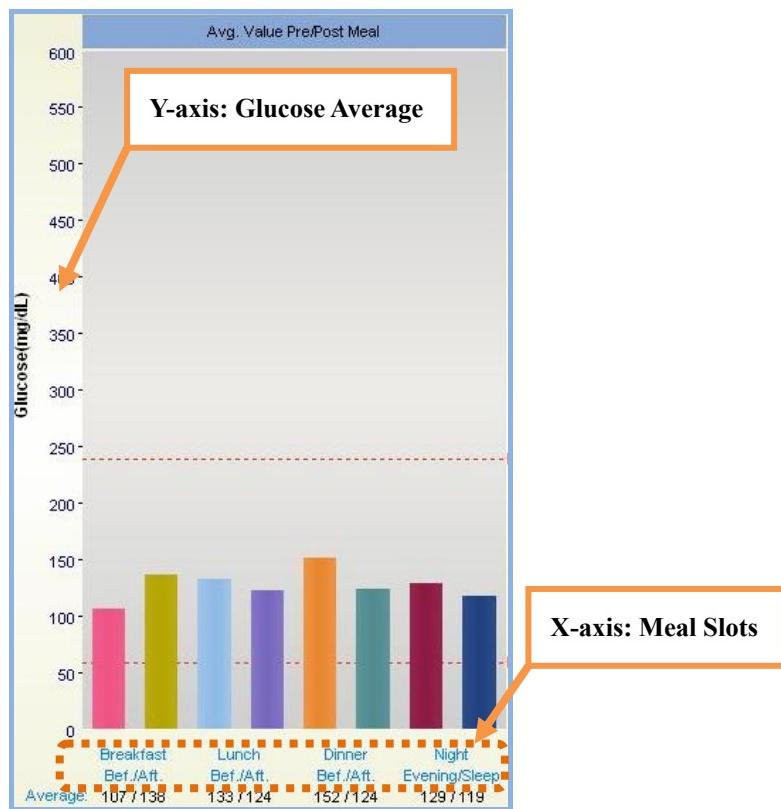


[Figure 3-18] Average Analysis

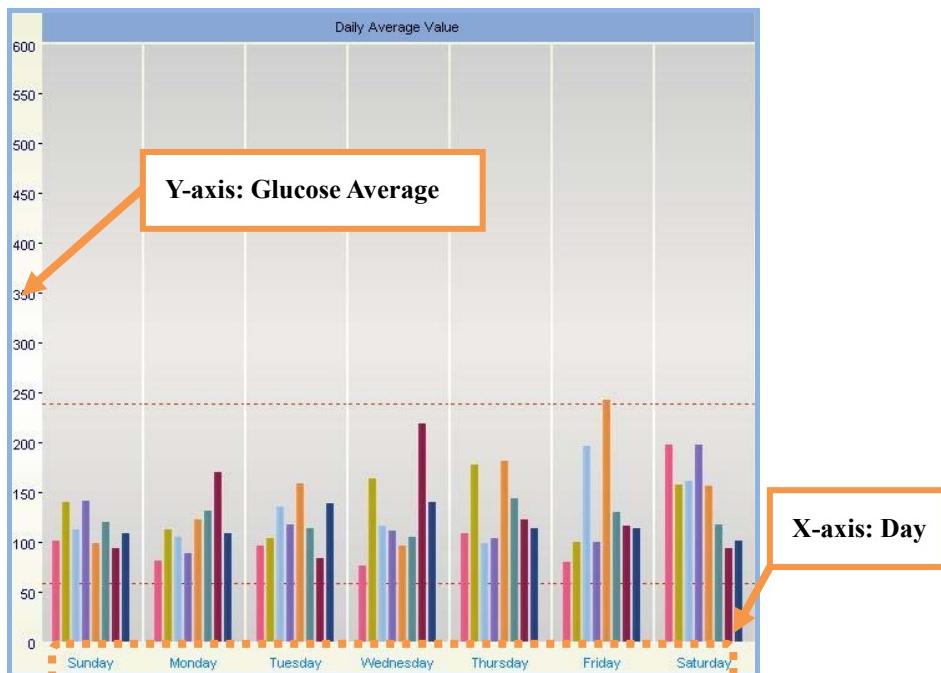
Average Analysis is shown in 8 separate bar charts that are stacked vertically.

- ① The chart on the left displays glucose averages by meal slots. The X-axis represents the Breakfast, Lunch, Dinner, and Night Meal slots, while the Y-axis represents the glucose average. Pre-Meal and Post-Meal period averages are displayed as side-by-side bars for each meal slot.

The right chart displays glucose averages for each day of the week. The X-axis represents the day of the week, while the Y-axis represents the glucose average.



[Figure 3-19] Glucose Average - glucose averages by meal slots



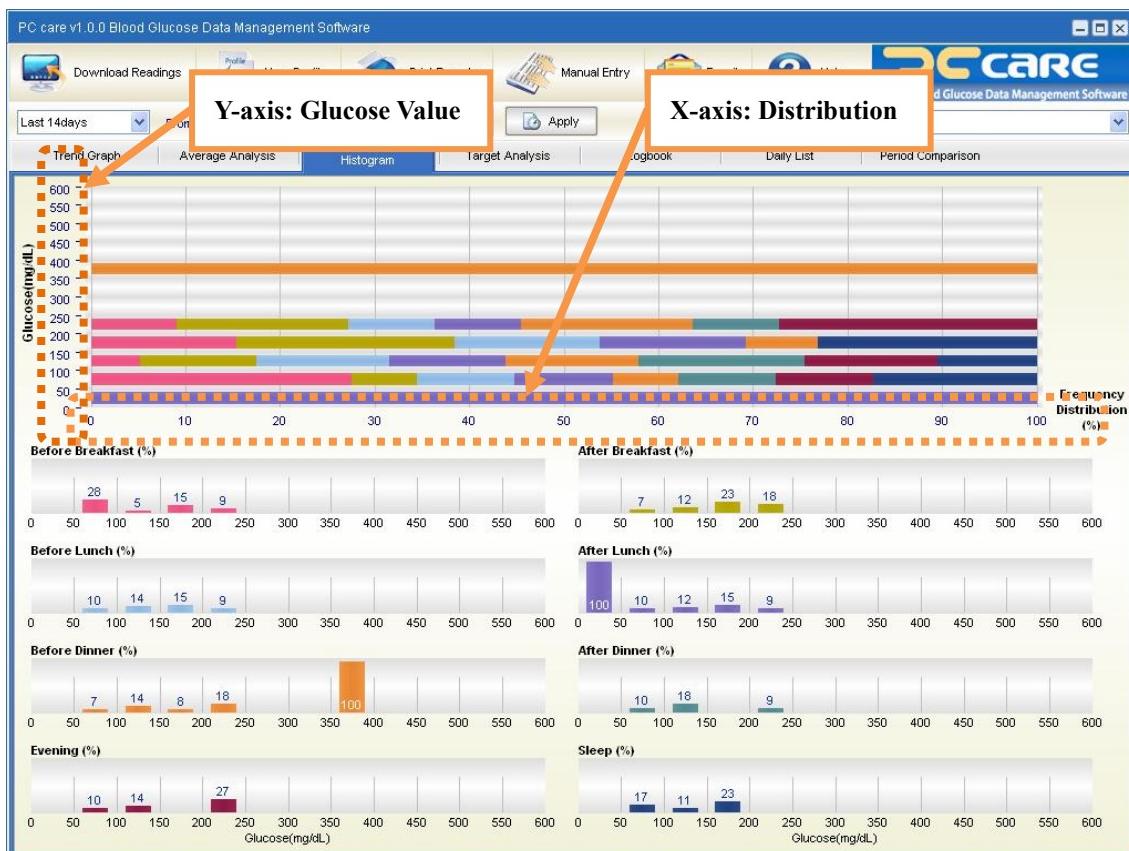
[Figure 3-20] Glucose Average - glucose averages for each day of the week

### 3.3.2.3 Histogram

Histogram shows glucose distribution for a selected data range (see figure 3-16). The histogram allows you to monitor the frequency of glucose data within and outside a set of ranges.

- **Upper Chart**

The X-axis represents the total glucose count in a meal slot for a particular range, and the Y-axis represents the pre-defined glucose ranges.

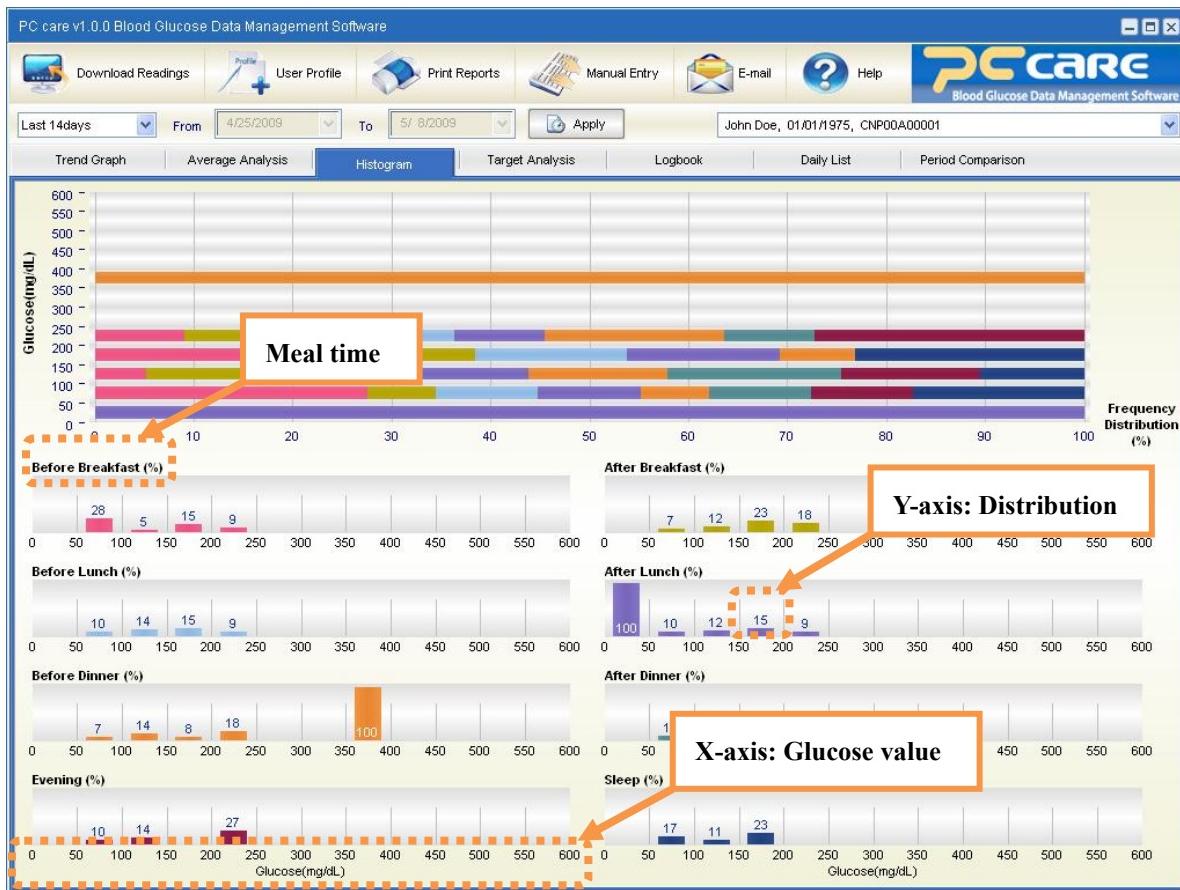


[Figure 3-21] Histogram

- **Lower Chart**

Histogram is shown according to meal time.

X-Axis is the pre-defined glucose value range, and Y-axis is the distribution rate of the pre-defined glucose range of the X-axis. The percentage of the within-range glucose value of each meal time is displayed proportionally to the graph's height. The total for all meal times for each glucose value distribution is 100%.



[Figure 3-22] Glucose Value Histogram: Lower meal time histogram

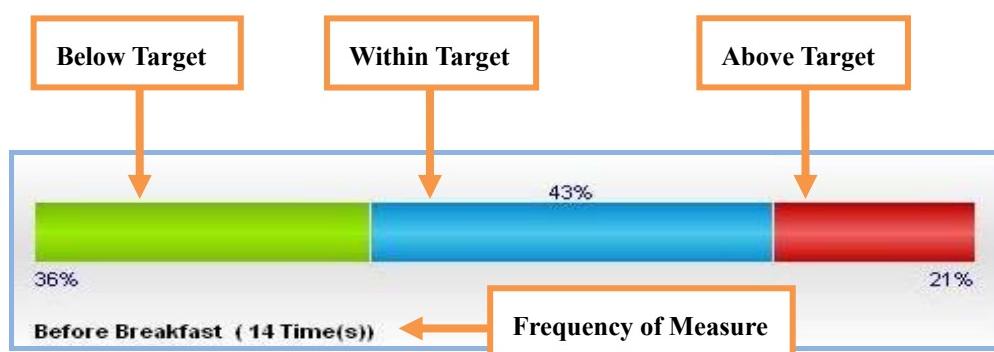
### 3.3.2.4 Target Analysis

Target Analysis Report displays the percentage of glucose data above and below each pre-and post-meal target range. This report allows you to see how glucose data compares with the target ranges for each meal slot (see figure 3-20).



[Figure 3-23] Target Analysis

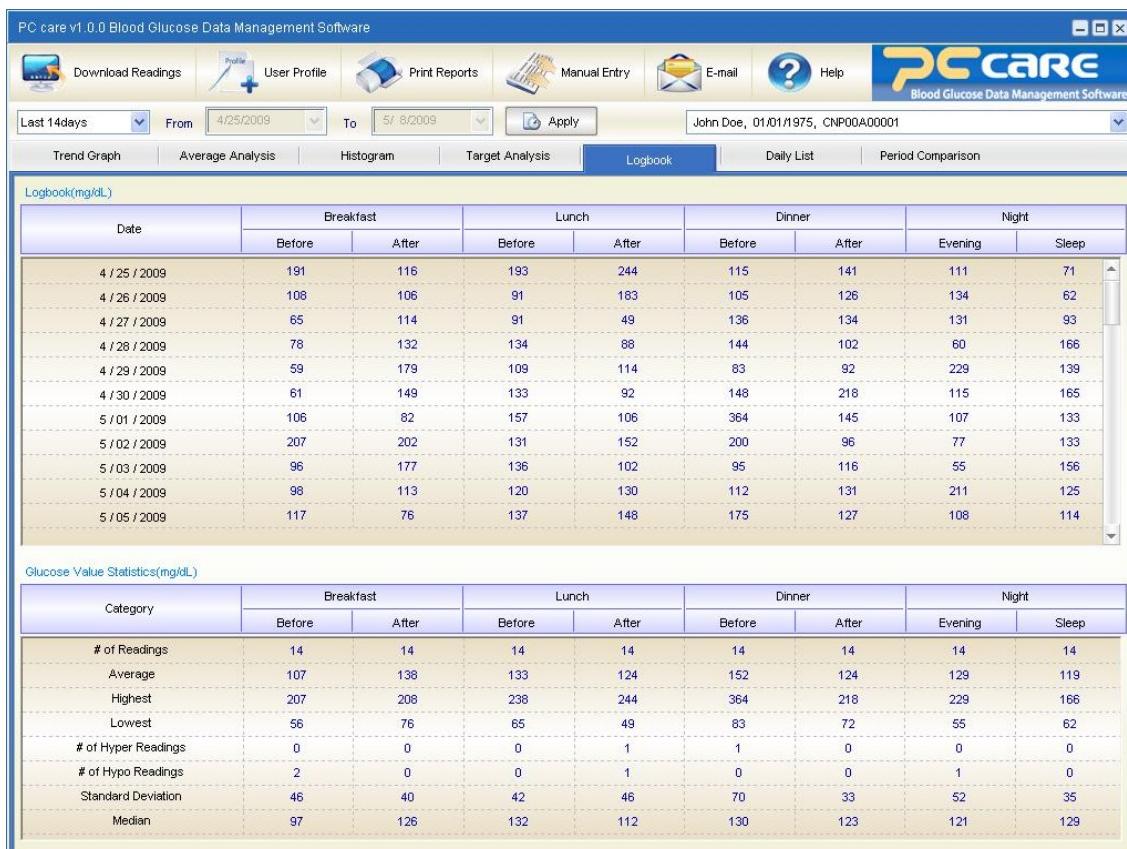
- A total of ten bar graphs will appear in the report. These represent the pre and post-meal breakdowns for each meal slot; one for night, one for bedtime, and one for overall target range.
- Bar graphs for pre-meal and post-meal breakdowns will appear side by side. This allows you to understand the trends within a particular meal slot.
- As all bar pairs are horizontally arranged, you can compare the frequencies of measurement as well as pre-meal and post-meal percentages for all meal slots.
- Target Analysis Report uses applicable pre-and post-meal target ranges to display an overall total range. The overall total bar graph shows the percentage breakdowns using glucose data within and outside the overall target range.



[Figure 3-24] Target Analysis

### 3.3.2.5 Logbook

Logbook tabulates and views daily glucose data by time periods that are customized in the User profile Setup menu. This report also displays statistical data, including Number of Readings, Highest, Lowest, Number of Hyper/Hypo Readings, Standard Deviation, and Median.



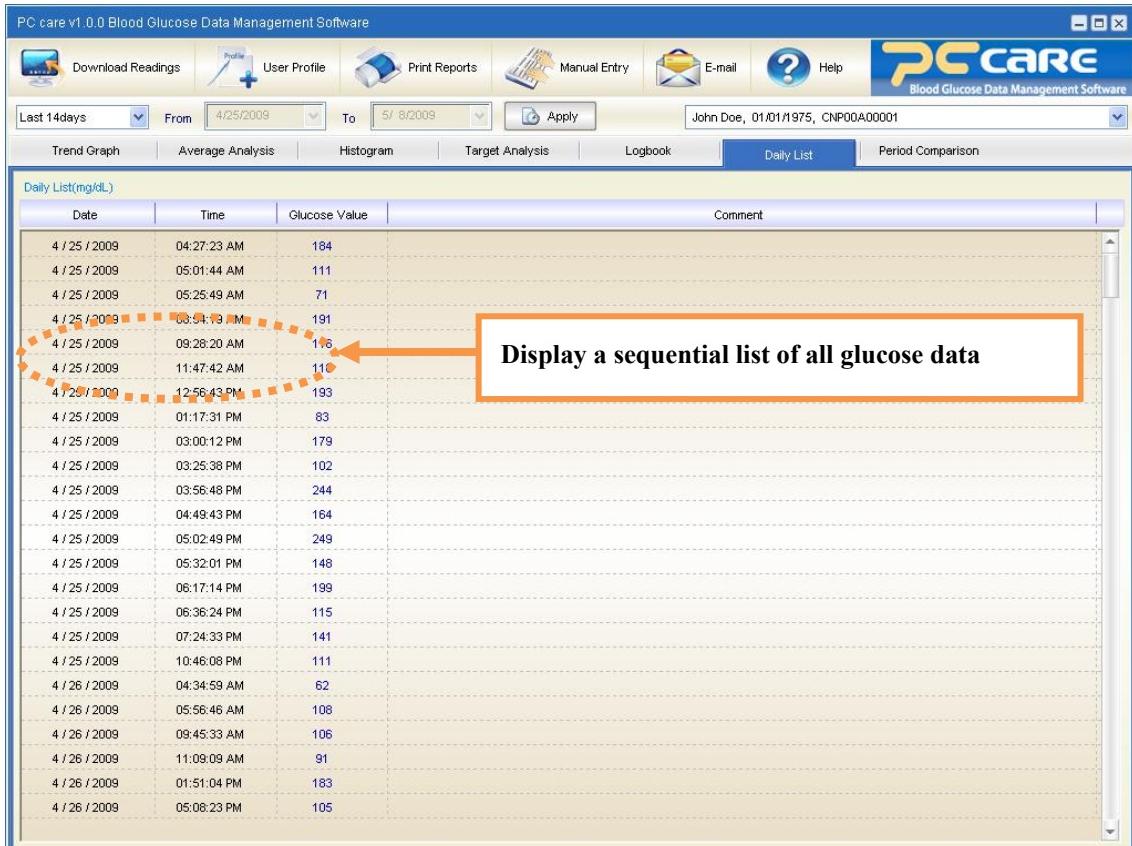
[Figure 3-25] Logbook & Statistics

The median value is the middle reading of several pieces of glucose data in each time period when they are arranged in order.

If the number of glucose readings is odd, the median value is the middle one of several glucose readings when they are arranged according to size. If the number of glucose readings is even, the median value is the average of the two pieces of data in the middle.

### 3.3.2.6 Daily List

The Daily List Report displays a sequential list of all glucose data stored in the PC care database (see figure 3-23). Only manually-entered Glucose Values and Comments can be corrected or deleted.

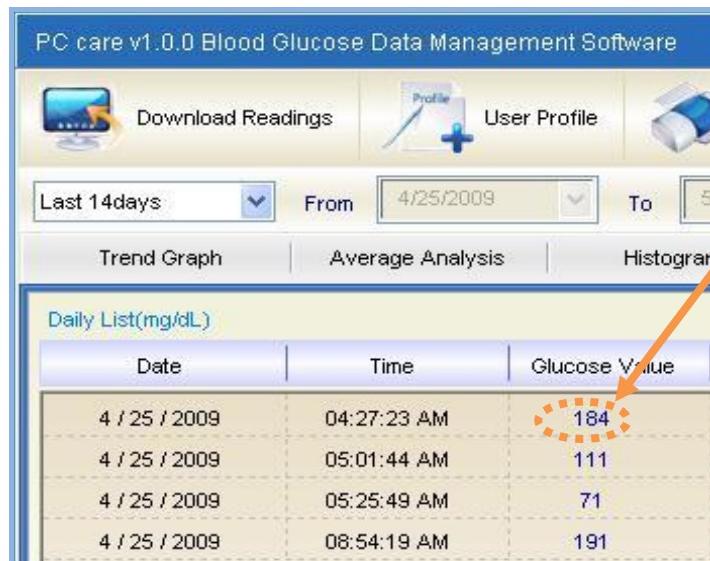


Date	Time	Glucose Value	Comment
4 / 25 / 2009	04:27:23 AM	184	
4 / 25 / 2009	05:01:44 AM	111	
4 / 25 / 2009	05:25:49 AM	71	
4 / 25 / 2009	06:54:13 AM	191	
4 / 25 / 2009	09:28:20 AM	116	
4 / 25 / 2009	11:47:42 AM	110	
4 / 25 / 2009	12:56:43 PM	193	
4 / 25 / 2009	01:17:31 PM	83	
4 / 25 / 2009	03:00:12 PM	179	
4 / 25 / 2009	03:25:38 PM	102	
4 / 25 / 2009	03:56:48 PM	244	
4 / 25 / 2009	04:49:43 PM	164	
4 / 25 / 2009	05:02:49 PM	249	
4 / 25 / 2009	05:32:01 PM	148	
4 / 25 / 2009	06:17:14 PM	199	
4 / 25 / 2009	06:36:24 PM	115	
4 / 25 / 2009	07:24:33 PM	141	
4 / 25 / 2009	10:46:08 PM	111	
4 / 26 / 2009	04:34:59 AM	62	
4 / 26 / 2009	05:56:46 AM	108	
4 / 26 / 2009	09:45:33 AM	106	
4 / 26 / 2009	11:09:09 AM	91	
4 / 26 / 2009	01:51:04 PM	183	
4 / 26 / 2009	05:08:23 PM	105	

[Figure 3-26] Daily List

## ■ How to amend Glucose Values and Comments

After double-clicking on the glucose data or memo that you wish to amend, amend it and click on other fields, or hit the **Enter ↴** key.



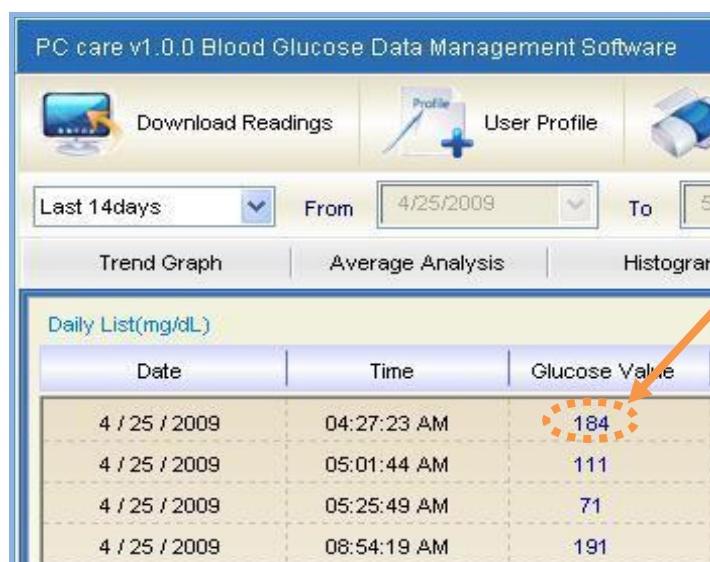
Date	Time	Glucose Value
4 / 25 / 2009	04:27:23 AM	184
4 / 25 / 2009	05:01:44 AM	111
4 / 25 / 2009	05:25:49 AM	71
4 / 25 / 2009	08:54:19 AM	191

Double-click to correct

[Figure 3-27] Correct Glucose Value

## ■ How to delete Glucose Value

After double-clicking on the Glucose Value that you wish to delete, delete it and click on other fields, or hit the **Enter ↴** key.



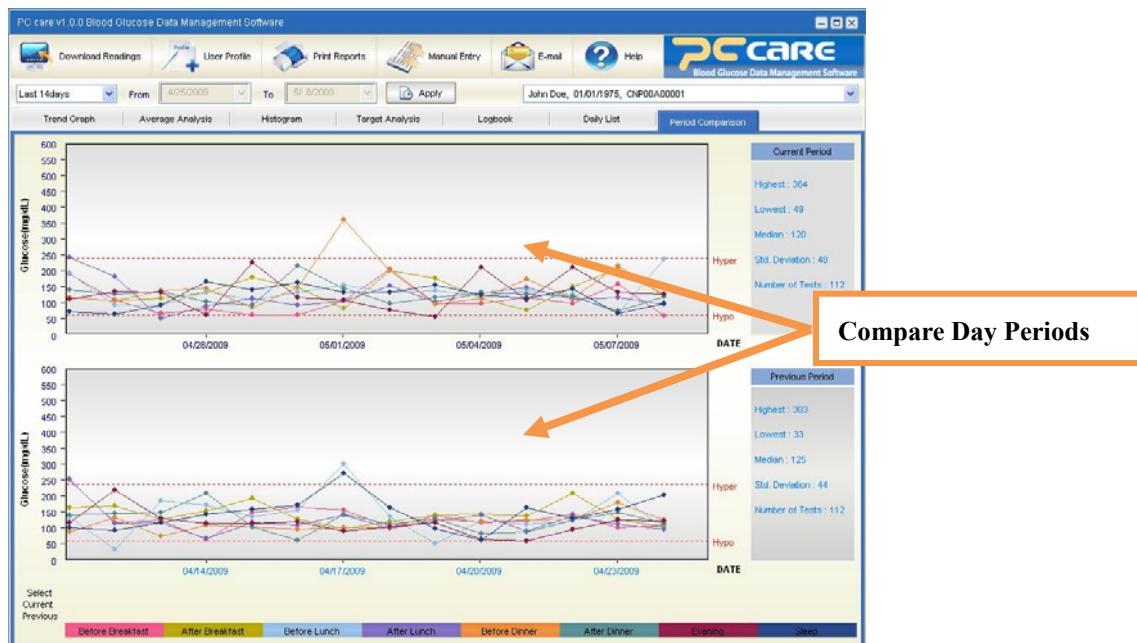
Date	Time	Glucose Value
4 / 25 / 2009	04:27:23 AM	184
4 / 25 / 2009	05:01:44 AM	111
4 / 25 / 2009	05:25:49 AM	71
4 / 25 / 2009	08:54:19 AM	191

Double-click to delete

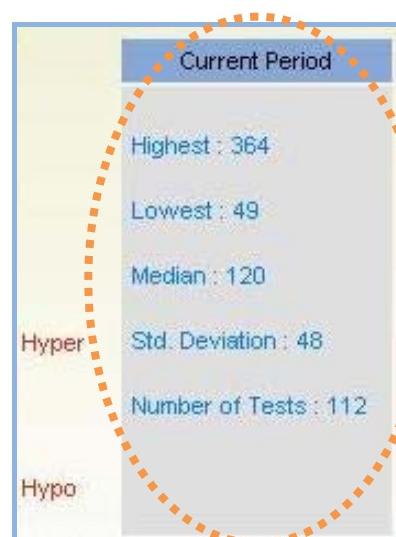
[Figure 3-28] Delete Glucose Value

### 3.3.2.7 Period Comparison

The Period Comparison Report allows you to compare glucose value trends between a selected date period and a previous date period, or view the Highest, Lowest, Median, Standard Deviation and frequency of measurement for each date period.



[Figure 3-29] Period Comparison

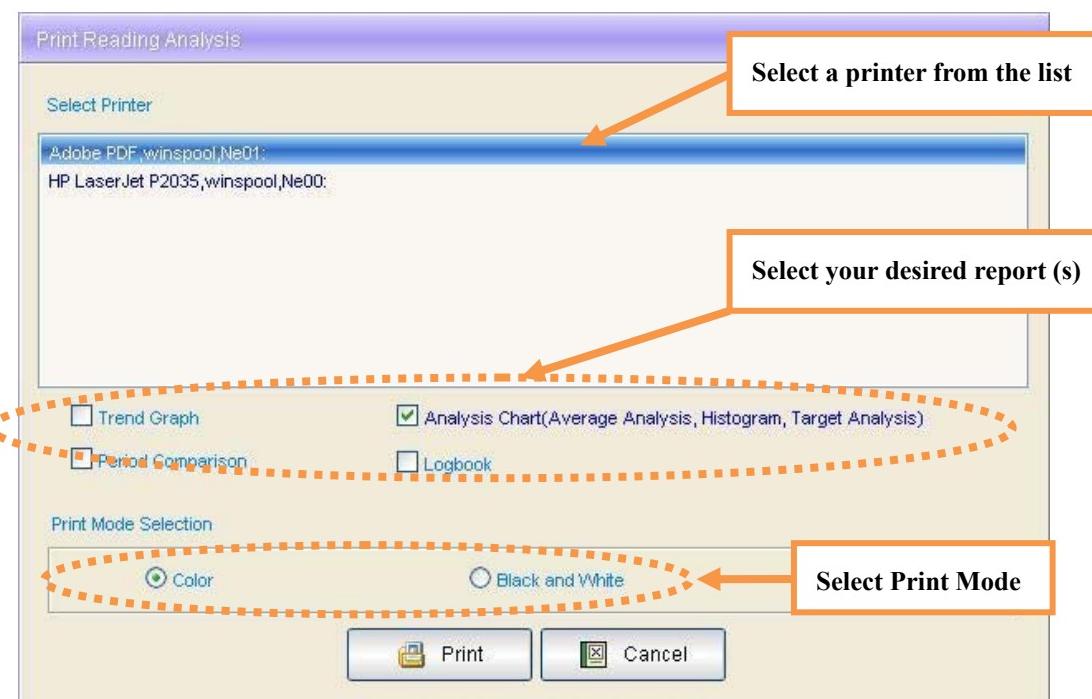


View Highest, Lowest, Median, Standard Deviations and frequency of measurement for each date period.

[Figure 3-30] Period Comparison Report: Statistics

## 3.4 Printing Reports

PC care allows you to print all reports shown on your screen. If you click the Print button, a list of available printers will appear on your screen. To print the desired report, click **Print** . In print mode, you can choose color print or black and white print.



[Figure 3-31] Printing: Print Reports

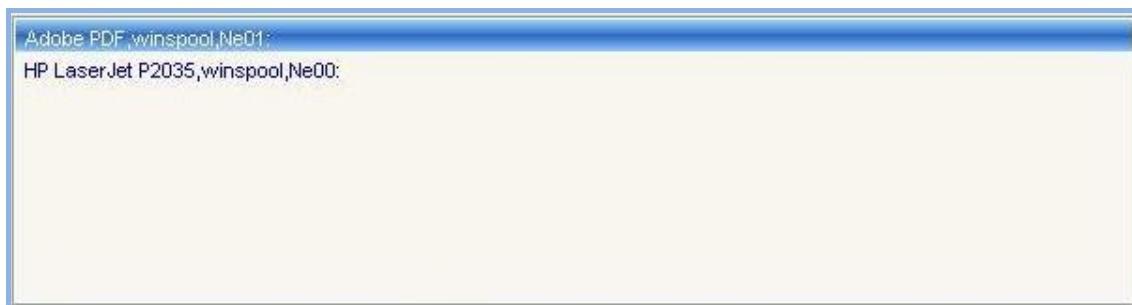
### ■ How to Print Reports

- ① From the Home Screen, click “Print” .



[Figure 3-32] Printing: Select “Print Reports” button

- ② Select an available printer from the dialogue box.



[Figure 3-33] List of Available Printers

- ③ Check the box to select your desired report(s).



[Figure 3-34] Select Report(s)

- ④ In print mode, you can choose color print or black and white print. For color printing, your PC should be connected to a color printer.



[Figure 3-35] Select Print Mode

- ⑤ Click “Print” to start printing, or “Cancel” to cancel printing.



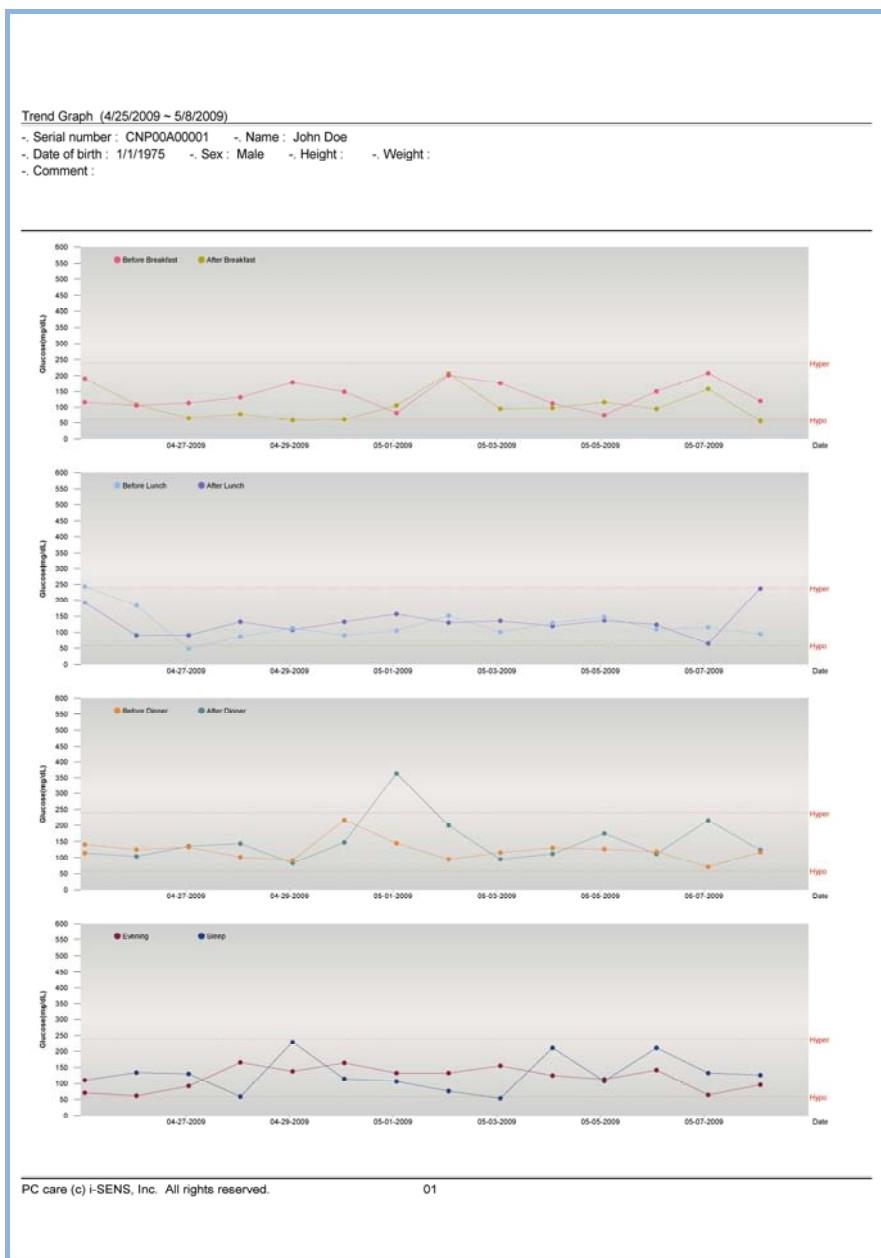
[Figure 3-36] Print and Cancel Button



## NOTE

- The PC care program automatically previews reports registered under Favorites on the User profile Setup menu.
- If you have selected the automatic download/print option in your User profile Setup, the data is automatically transferred from a meter to your PC, and printed when it is connected to your PC.

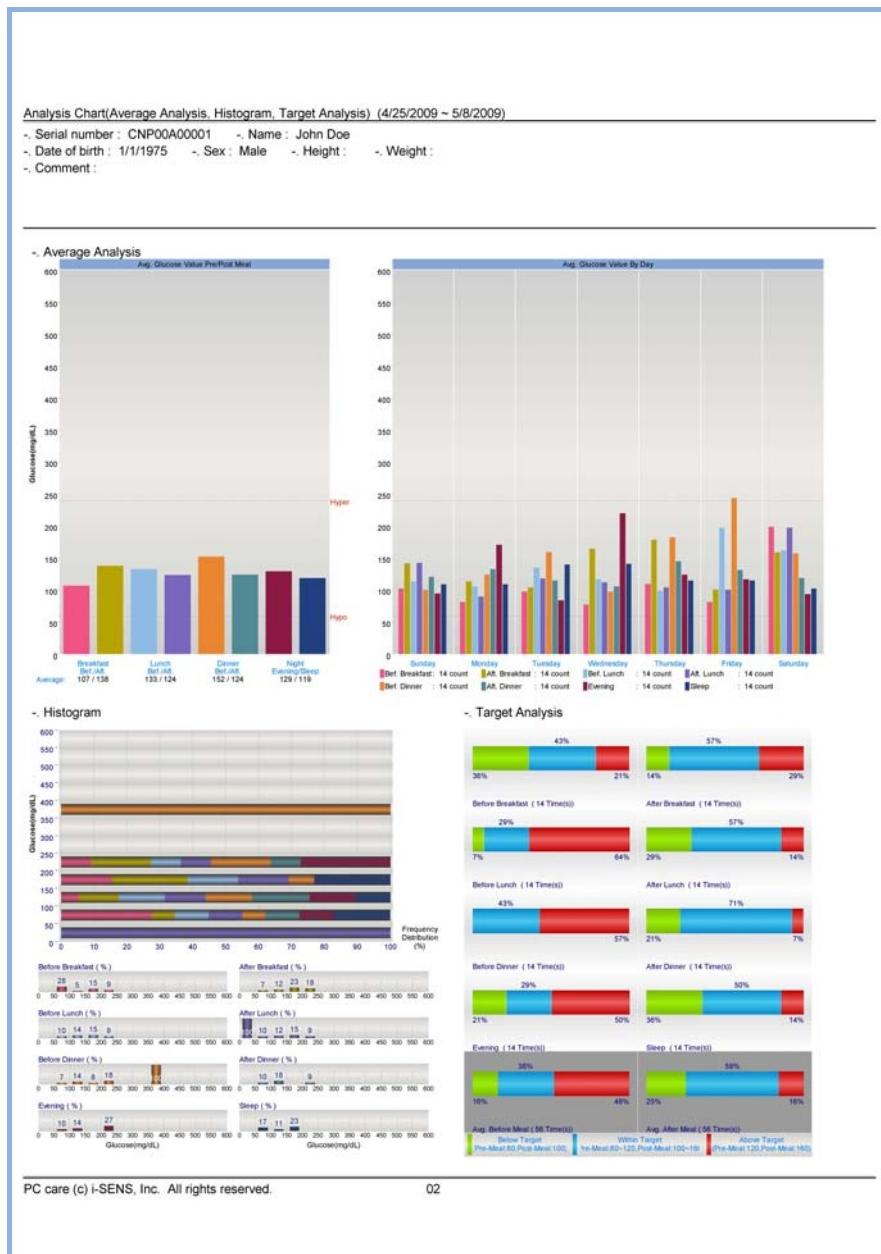
Example printouts are as follows.



[Figure3-37] Print Image of Trend Graph Report

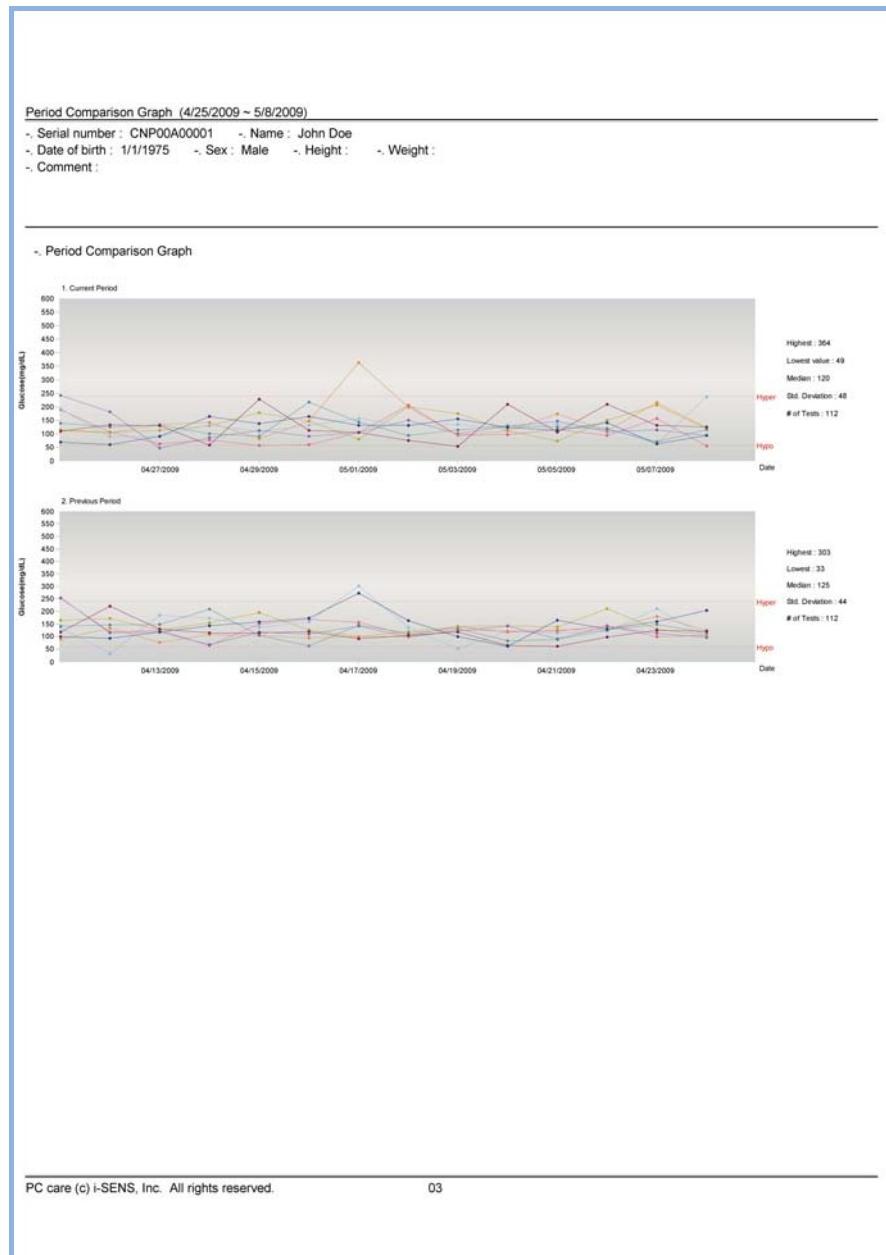
The Trend Graph Report is printed differently from the image shown on the screen. This enables you to separate and analyze data according to meal slots with greater ease.

The four separate meal slots include breakfast, lunch, dinner, and night. Periods from breakfast to dinner are divided into before meal and after meal with solid and dotted lines, and the night period is divided into night and bed time with solid and dotted lines.



[Figure3-38] Print Image of Analysis Chart(Average Analysis, Histogram and Target Analysis)

The print image of the Analysis Chart includes Average Analysis, Histogram and Target Analysis.



**[Figure3-39] Print Image of Period Comparison**

The print image of a Period Comparison Report is the same as the one shown on the screen.

Logbook (4/25/2009 ~ 5/8/2009)								
-, Serial number : CNP00A00001 -, Name : John Doe								
-, Date of birth : 1/1/1975 -, Sex : Male -, Height : -, Weight :								
-, Comment :								
<b>- Glucose Value Statistics</b>								
Category	Breakfast		Lunch		Dinner		Night	
	Before	After	Before	After	Before	After	Evening	Sleep
# of Readings	14	14	14	14	14	14	14	14
Average	107	138	133	124	152	124	129	119
Highest	207	208	238	244	364	218	229	166
Lowest	56	76	65	49	83	72	55	62
# of Hyper Readings	0	0	0	1	1	0	0	0
# of Hypo Readings	2	0	0	1	0	0	1	0
Standard Deviation	46	40	42	46	70	33	52	35
Median	97	126	132	112	130	123	121	129
<b>- Logbook</b>								
Date	Breakfast		Lunch		Dinner		Night	
	Before	After	Before	After	Before	After	Evening	Sleep
4 / 25 / 2009	191	116	193	244	115	141	111	71
4 / 26 / 2009	108	106	91	183	105	126	134	62
4 / 27 / 2009	65	114	91	49	136	134	131	93
4 / 28 / 2009	78	132	134	88	144	102	60	166
4 / 29 / 2009	59	179	109	114	83	92	229	139
4 / 30 / 2009	61	149	133	92	148	218	115	165
5 / 01 / 2009	106	82	157	106	364	145	107	133
5 / 02 / 2009	207	202	131	152	200	98	77	133
5 / 03 / 2009	96	177	136	102	95	116	55	156
5 / 04 / 2009	98	113	120	130	112	131	211	125
5 / 05 / 2009	117	76	137	148	175	127	108	114
5 / 06 / 2009	96	151	124	110	112	119	211	143
5 / 07 / 2009	158	208	65	116	217	72	133	65
5 / 08 / 2009	56	120	238	95	124	118	127	98

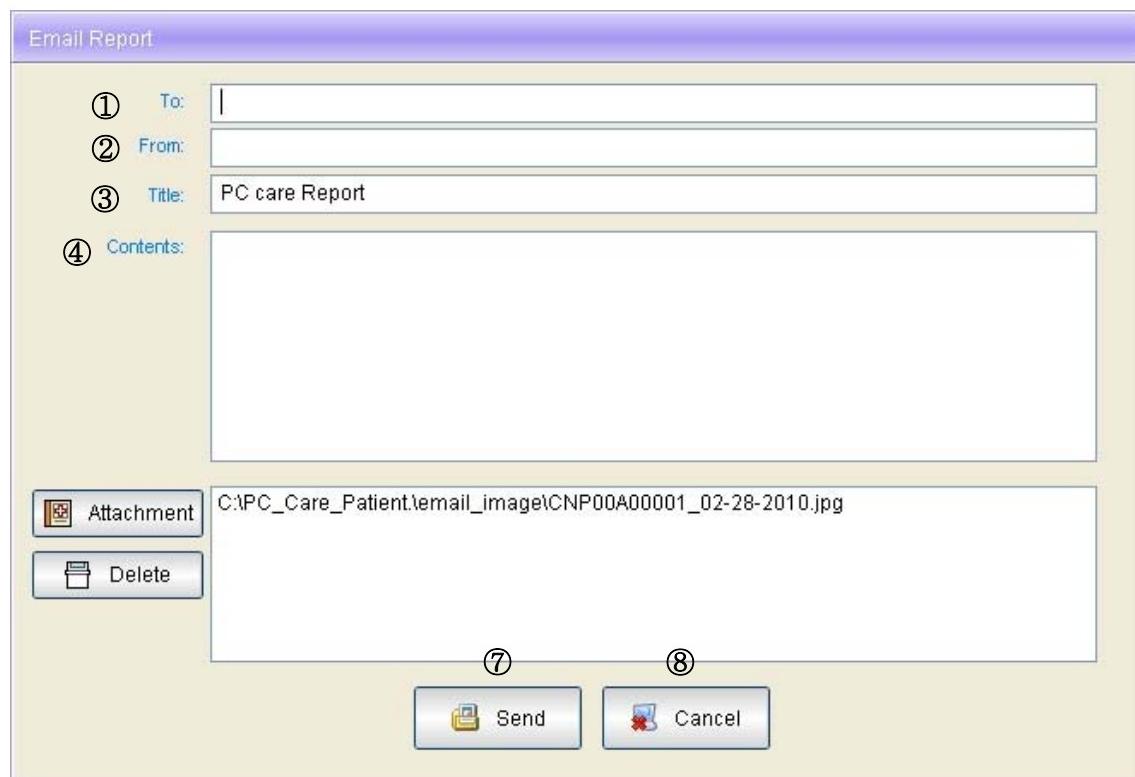
**[Figure3-40] Print Image of Logbook & Statistics**

While Logbook Report is shown in the upper part of the screen and Statistics Report is shown in the lower part of the screen, the print image shows Logbook Report in the upper part and Statistics Report on the lower part of the page. As the print page of Logbook Report changes according to the selected day period, this allows you to view reports with greater ease and convenience.

### 3.5 E-mail

You can send the report shown on the program screen via email. Simply click the send E-

mail menu button,  and press the send button after selecting a receiver, sender, title, contents and attachments. The 14-day average value will be automatically converted to a JPG file and attached to the email. You can also add desired files by clicking the attachment button.



[Figure 3-41] Email Report

**① To**

Enter the receiver's email address.

**② From**

Enter the sender's email address.

**③ Title**

Enter the title of the email.

#### ④ Contents

Enter the contents of the email to be sent along with the report.

#### ⑤ Attachment

14-day average value will be automatically converted to a JPG file and attached to the email. Other desired files can be attached by clicking the attachment button.

#### ⑥ Delete

Delete any undesired attached files from the attachment file list.

#### ⑦ Send

By pressing the ‘Send’ button, the email will be sent.

#### ⑧ Cancel

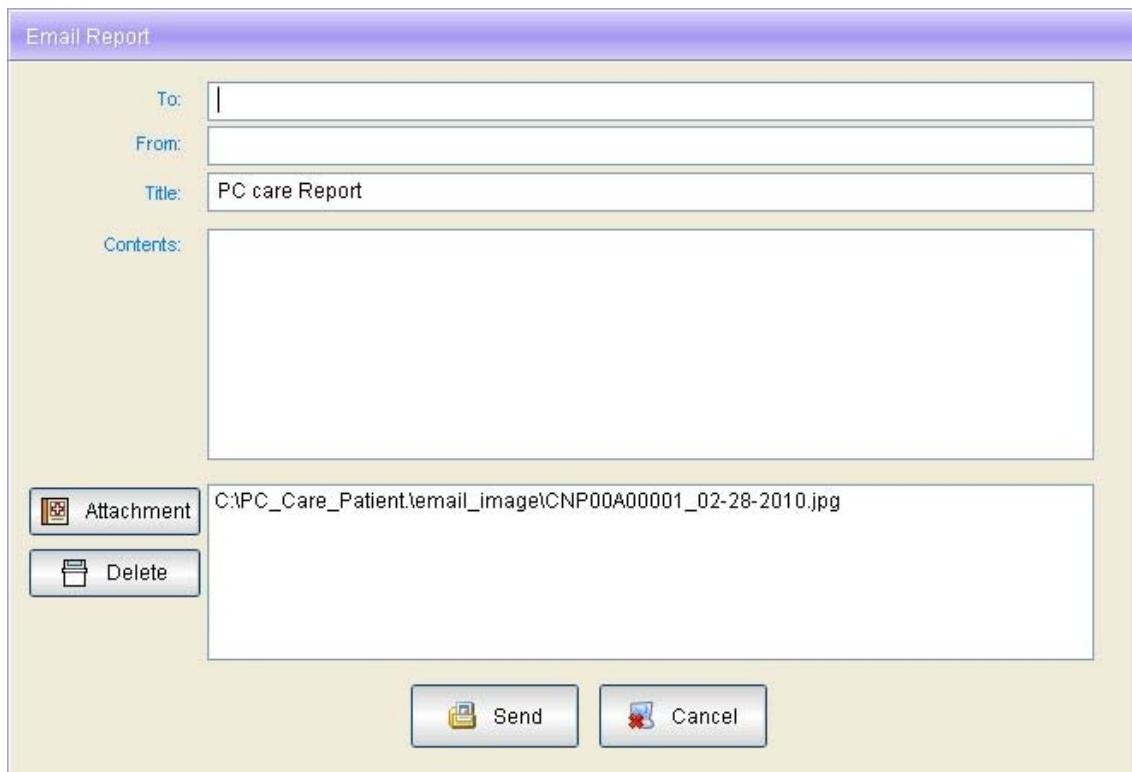
Press the ‘Cancel’ button in order to discard and NOT send the email.

### ■ Steps for sending the email



[Figure 3-42] E-mail

- ② When the email pop-up window shown below appears, enter the receiver's address, the sender's address, the title, contents and attachment, and click "Send" to send the email, or "Cancel" to cancel the email.



[Figure 3-43] Email Pop-up Window

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## Chapter 4 Help

### 4.1 Help Menu

# Chapter 4 Help

For your convenience, the PC care program allows you to access the Quick Guide directly from the Help menu.

## 4.1 Help Menu

From the PC care menu buttons, click “Help.”



[Figure 4-1] Help Menu

You can use the Quick Guide on the Help menu like a book and thumb through pages by clicking on any part of the right page. To go back to the previous page, click on any part of the left page.

**1. Starting Installation**

- Insert PC care Install CD into the computer CD-ROM Drive.
- Download PC care program from our website ([www.i-sens.com](http://www.i-sens.com)).

**2. Installing the PC care Program**

If you wish to install PC care, press **Next**.

Click **Install** to install PC care without change an installation folder. To change an installation folder, designate your desired folder after clicking **Browse**.

Click **OK** to complete PC care installation.

If you connect PC care USB cable to USB Port on your pc after installing PC care program, the message "Found New Hardware" appears on your desktop. Then, PC care driver installation starts.

If the driver installation is complete, the message "Your new hardware is installed and ready to use." appears on your desktop.

[Figure 4-2] Quick Guide Accessed from the Help Menu

## Chapter 5 Appendices

### ■ Appendix A

- [Glossary](#)

### ■ Appendix B

- [Troubleshooting](#)

### ■ Appendix C

- [Technical Support](#)

### ■ Appendix D

- [Index](#)

## Chapter 5 Appendices

### Appendix A Glossary

This appendix describes terms used in PC care User Manual.

**Blood glucose level**

Measurement of glucose levels in the bloodstream

**Cardiovascular (complication)**

A complication that involves the heart or the major blood vessels.

**Cerebrovascular (Complication)**

A complication that involves the blood vessels in the brain.

**Complication**

Any disease or disorder that occurs during the course of (or because of) diabetes.

**Default**

A particular set of instructions which the computer always uses unless the person using the computer gives other instructions

**Dietary treatment**

Supplementary medical treatment to control diet in order to cure diseases.

**Drop-down menu**

The list of options that is displayed after clicking arrow buttons on screens or entries on the menu button.

**Exercise treatment**

Supplementary medical treatment to cure diseases through physical exercise.

**Favorites**

---

An option that allows you to set print priority.

**Field**

An area of a computer's memory or a program where data (number, name, and texts) can be entered, edited, or stored.

**Glucose average**

The arithmetic mean calculated on a set of glucose data.

**Glucose Distribution**

A graph that presents glucose distribution for a selected data range. The X-axis represents the total number of glucose data in a meal slot for a particular range and the Y-axis does the pre-defined glucose ranges

**(Glucose) meter**

A medical device for determining the approximate concentration of glucose in the blood

**High (blood) cholesterol**

Hypercholesterolemia. The presence of high levels of cholesterol in the blood.

**High blood pressure**

Blood pressure that is above the normal range.

**Hyperglycemic values**

An abnormally high level of glucose in the blood.

**Hypoglycemic values**

An abnormally low level of glucose in the blood.

**Insulin**

A hormone secreted by the pancreas that stimulates the uptake of glucose by body cells

**Maximum limit**

Maximum glucose value that should be input in setting target glucose ranges.

**Meal slot**

---

A slot that allows you to manage the day into eight separate time periods.

### **Median**

A measure of central tendency for data at the interval or ratio levels of measurement. When a set of values or scores are arranged in ascending order that value which divides the sequence in half; half of the values or scores are greater than the median and half are less than the median.

### **Minimum limit**

Minimum glucose value that should be input in setting target glucose ranges.

### **Nephropathy (Nephropathic complication)**

Any complication that involves the kidneys.

### **Neuropathy (Neuropathic complication)**

Any complication that involves the nervous system.

### **Oral Meds**

Medication that is swallowed as a pill or liquid.

### **PC care USB cable**

A cable that can be used to connect your meter to the PC.

### **Peripheral vascular (complication)**

Any complication that involves the capillaries or other small blood vessels.

### **Plasma**

The yellow liquid component of blood in which the blood cells are suspended.

### **Pop-up calendar box**

A pop-up display screen that allows you to change the calendar date.

### **Retinopathy**

A disease of the retina that can result in loss of vision.

### **Serial Number**

A set of characters that uniquely identifies a single unit and can be used for traceability and

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warranty purposes

### **Standard Deviation**

A measure of the spread of a set of glucose values from the mean value in the **Period**

### **Comparison Graph.**

### **Target glucose range**

The range of glucose data that represent guidelines for good control.

## Appendix B Troubleshooting

This appendix will help you solve problems that you may have when using PC care.

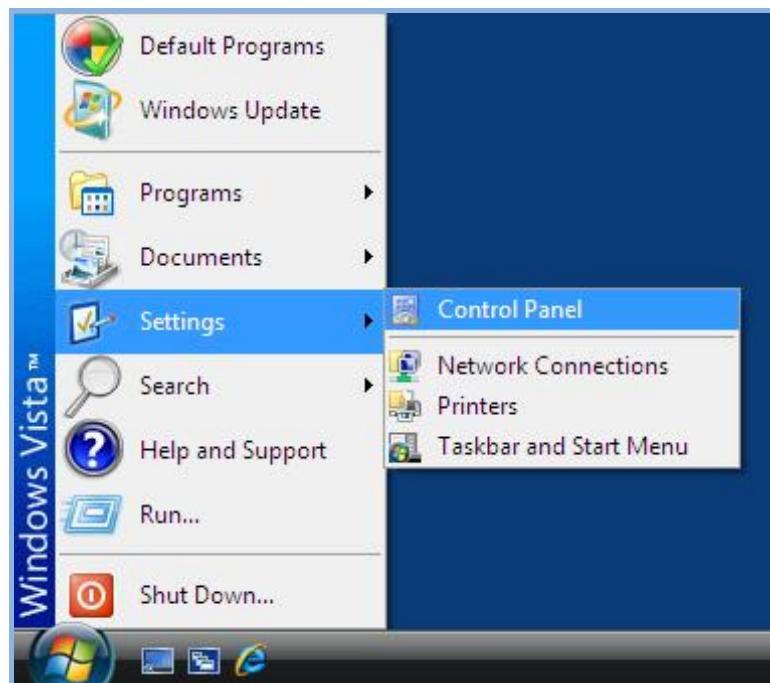
### For Window Vista User

**Q. I can see the message “Pc” on the meter after connecting PC care USB cable to my PC under Windows Vista platform. However, I can’t execute PC care software.**

**A. When you log on your PC using an account other than administrator, you have to change your user account control settings.**

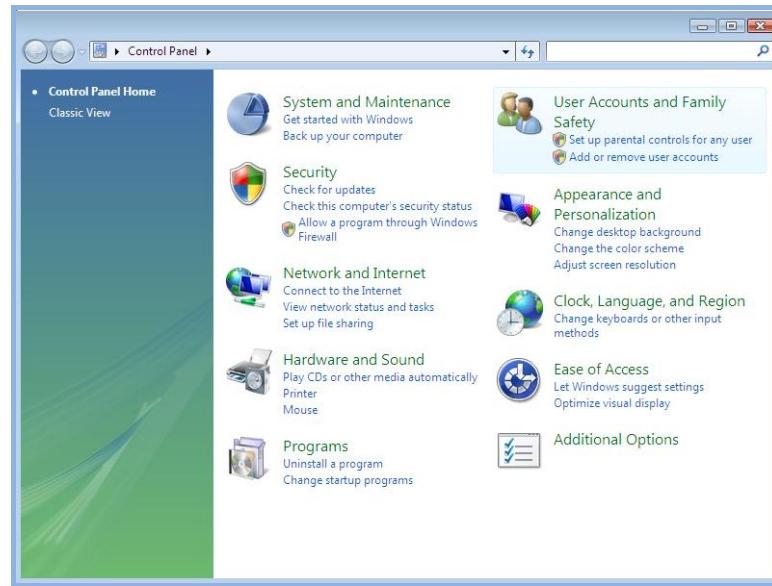
☛ **Follow the instruction to disable User Account Control.**

1. Click Start, and then click Control Panel



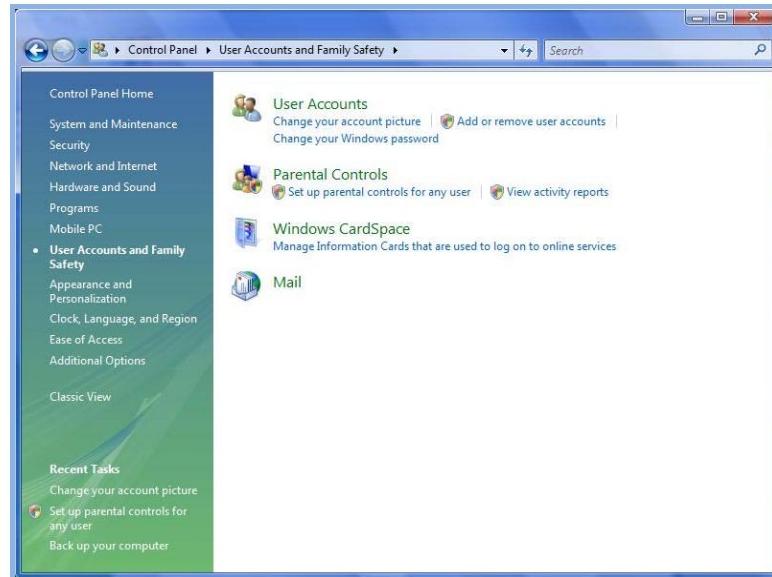
[Figure 5-1] Select Control Panel

2. In Control Panel, click User Accounts and Family Safety.



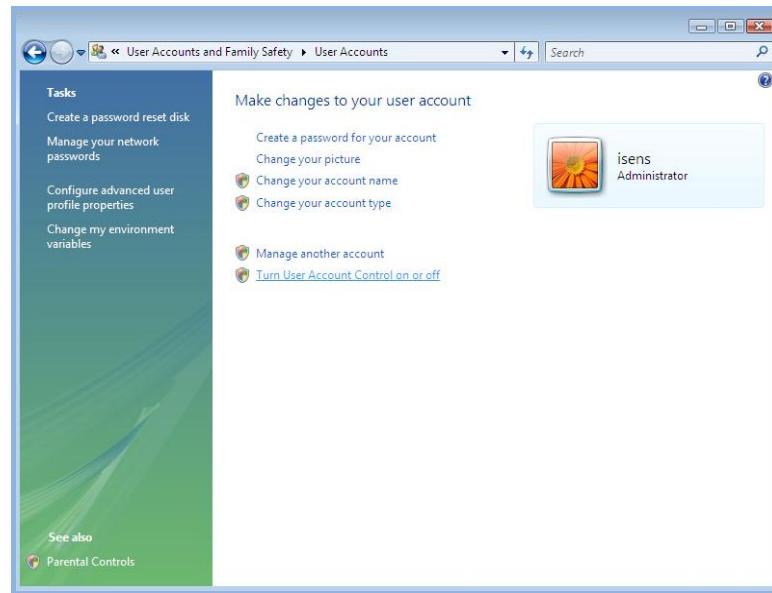
[Figure 5-2] User Accounts and Family Safety

3. In the User Accounts window, click User Accounts.



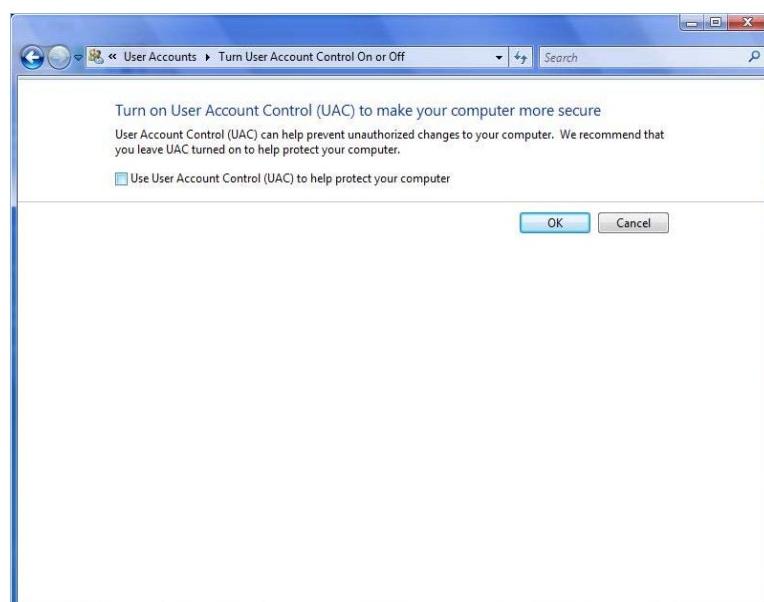
[Figure 5-3] User Accounts

4. In the User Accounts tasks window, click Turn User Account Control on or off.



[Figure 5-4] Turn User Account Control on or off

5. If UAC is currently configured in Admin Approval Mode, the User Account Control message appears. Click Continue.
6. To disable UAC, clear the Use User Account Control (UAC) to help protect your computer check box. Click OK. Click Restart Now to apply the change right away, or click Restart Later and close the User Accounts tasks window.



[Figure 5-5] Click restart Later and close the User Accounts tasks window

## Problem and Solutions

Problem	Solution
The PC care does not start.	<ol style="list-style-type: none"><li>1. The PC care Blood Glucose Data Management Software may already be running. If this is the case, click the PC care Blood Glucose Data Management Software icon.</li><li>2. Close all running programs and re-open them.</li><li>3. Restart your computer and then run the program.</li><li>4. If the above do not work, uninstall and reinstall the program. (When the program is uninstalled, all saved data will be lost. Before doing this, please contact <b>Customer Service</b>.)</li><li>5. For users of Windows Vista, check the <b>User Account</b> setting. (see <b>User's Manual</b>)</li></ol>
The PC care is unable to communicate with meter.	<ol style="list-style-type: none"><li>1. In the device manager, check whether <b>TUSB3410(COM X)</b> is listed. If it is not listed, reinstall the driver.</li><li>2. Close the program and re-open it.</li><li>3. Check whether the cable is properly connected.</li><li>4. Another program other than PC care may be using the communication port. Close all programs and run PC care.</li><li>5. Check the battery of the meter. If the battery symbol appears on the meter, change the battery.</li><li>6. Reboot your PC and try again.</li></ol>
You cannot print from the PC care.	<ol style="list-style-type: none"><li>1. Check whether the printer is turned on.</li><li>2. If using a network printer, make sure it is</li></ol>

	<p><b>ONLINE.</b></p> <p>3. Make sure the printer cable is properly connected.</p> <p>4. Make sure that there are reports selected in <b>Favorites</b>. If there are no selected reports, then the print function will not work.</p>
Manually input data is not displayed.	<p>1. Make sure the selected date and the date of the input data match. If not, change the date.</p>

## Appendix C Technical Support

### PC care Technical Support

If you have any difficulty using PC care, please refer to PC care User's Manual. For further technical support, please contact i-SENS customer center.

#### ■ i-SENS Head Office

Country	South Korea
Dept.	Customer Center
Tel.	080-2-910-0600
Fax.	080-2-910-0688
E-mail	<a href="mailto:admin@i-sens.com">admin@i-sens.com</a>

#### ■ For the United States

**Customer Service** is available 24 hours a day.

Tel.	1-800-429-5001
E-mail	<a href="mailto:admin@i-sens.com">admin@i-sens.com</a>

#### ■ For all other countries

If you need assistance, please contact your authorized **i-SENS sales representative** or visit [www.i-sens.com](http://www.i-sens.com) for more information and contact.

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